

FOURTEENTH CATALOGUE

OF THE

ARKANSAS

INDUSTRIAL UNIVERSITY

LOCATED AT

FAYETTEVILLE, WASHINGTON COUNTY, ARK.

FOR THE YEAR ENDING JUNE 10, 1886.

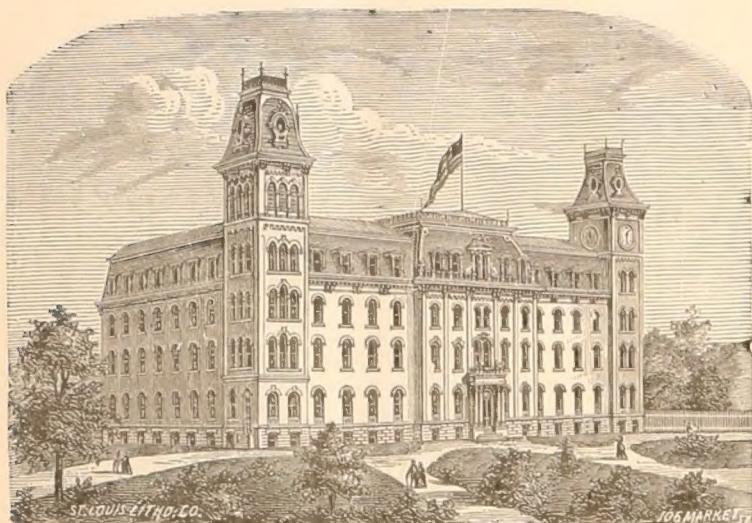
AND

ANNOUNCEMENT FOR 1886-7.

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LITTLE ROCK, ARK.:  
A. M. WOODRUFF, STATE PRINTER.  
1886.

# ARKANSAS INDUSTRIAL UNIVERSITY.



## DIMENSIONS AND CAPACITY.

It is 214 feet long by 122 feet wide, covering an area of 26,108 square feet. It is five stories high, with French or Mansard roof, covered with slate or tin. The height of the building is 134 feet.

The basement story is built of stone; the foundation is bedded with solid rock. The next three stories are built of brick, and the attic of wood. The basement story is in height 13 feet in the clear; first and second stories 16 feet each; third and fourth, 12 feet; the clock and bell towers extending two stories above attic.

There are ten rooms 77 by 61 feet, ten rooms 22 by 29 feet, ten rooms 22 by 28 feet, ten rooms 22 by 25 feet, ten rooms 22 by 22 feet, ten rooms 22 by 19 feet, five rooms 15 by 28 feet, four rooms 22 by 20 feet, and one room 74 by 50 feet—making a total of seventy rooms. In addition, there are four corridors 15 by 28 feet and four corridors 14 by 210 feet.

*Second Century*

BOARD  
OF  
TRUSTEES.

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EX-OFFICIO PRESIDENT OF THE BOARD,

*His Excellency, SIMON P. HUGHES, Governor, Little Rock, Ark.*

REGENT AND SECRETARY,

*J. L. CRAVENS, Fayetteville, Ark.*

TREASURER,

*WM. McILROY, Fayetteville, Ark.*

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TRUSTEES:

HON. JOSEPH W. MARTIN.....Little Rock, Ark.  
DR. J. W. BROWN.....Camden, Ark.  
HON. J. P. EAGLE.....Lonoke, Ark.  
HON. CHARLES COFFIN.....Walnut Ridge, Ark.  
HON. GEORGE J. CRUMP.. ..Harrison, Ark.  
HON. THOMAS M. GUNTER.....Fayetteville, Ark.

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EX-OFFICIO TRUSTEES:

HON. WOOD E. THOMPSON, SUP'T PUBLIC INSTRUCTION,  
Little Rock, Ark.  
COL. GEO. M. EDGAR, PRESIDENT OF THE UNIVERSITY,  
Fayetteville, Ark.

## EXECUTIVE COMMITTEE :

J. W. MARTIN, CHAIRMAN, CHAS. COFFIN, J. P. EAGLE,  
W. E. THOMPSON, J. W. BROWN.

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## FINANCE COMMITTEE :

T. M. GUNTER, CHAIRMAN, G. J. CRUMP, J. W. BROWN.

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## COMMITTEE ON BY-LAWS :

G. J. CRUMP, CHAIRMAN, CHAS. COFFIN, J. P. EAGLE,

---

## PRINTING COMMITTEE :

GEO. M. EDGAR, CHAIRMAN, CHAS. COFFIN,  
T. M. GUNTER.

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## COMMITTEE ON BRANCH NORMAL COLLEGE :

THE GOVERNOR, CHAIRMAN, J. W. BROWN,  
W. E. THOMPSON, J. P. EAGLE.

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## BOARD OF TRUSTEES OF MEDICAL DEPARTMENT :

J. A. DIBRELL, M. D.....Little Rock, Ark.  
WM. THOMPSON, M. D.....Little Rock, Ark.  
WM. M. LAWRENCE, M. D.....Batesville, Ark.

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## BOARD OF VISITORS-1886-87:

HON. A. W. DINSMORE.....Bentonville, Ark.  
GEN. JAMES C. TAPPAN.....Helena, Ark.  
HON. H. G. BUNN.....Camden, Ark.  
GEN. H. B. ARMSTEAD.....Charleston, Ark.  
HON. JOHN W. STAYTON.....Newport, Ark.  
HON. J. H. SHINN.....Little Rock, Ark.

# OFFICERS AND INSTRUCTORS.

---

GEO. M. EDGAR, LL. D.,

*President and Professor of Psychology and Ethics.*

---

R. H. WILLIS, A. M.,

*Professor of Ancient Languages and Ancient History.*

---

HOWARD EDWARDS, A. M.,

*Professor of English, French, German and Modern History.*

---

E. H. MURFEE, LL. D.,

*Professor of Pure Mathematics and Logic.*

---

J. M. WHITHAM, A. M., (Graduate of U. S. Naval Academy),

*Professor of Applied Mathematics.*

---

GEO. D. PURINTON, A. M.,

*Professor of Chemistry, Mineralogy, Geology and Biology.*

---

J. F. HOWELL, A. M.,

*Professor of Normal Department.*

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\*.....

*Instructor of Tactics and Commandant of Cadets.*

\*To be detailed from the United States Army.

## ASSISTANT PROFESSORS.

---

A. F. LEWIS, A. M.,

*Mathematics, English, Book-Keeping and Commercial Laws.*

---

GEO. W. MACON, A. B.,

*Greek, Mathematics and English.*

---

J. B. GREENE, A. M.,

*Latin and English.*

---

MISS E. C. WEIMAR,

*English and Latin.*

---

MISS R. W. MOSS,

*Elocution, History and English.*

---

MISS KATIE V. KING,

*Vocal and Instrumental Music.*

---

MISS LIBBIE HALL,

*Drawing and Industrial Art Work for Girls.*

---

STONEWALL TOMPKINS,

*Superintendent of Shops.*

# MEDICAL DEPARTMENT.

LITTLE ROCK, ARK.

SESSION OF 1886-7.

## PROFESSORS:

P. O. HOOPER, M. D.,

*Practice of Medicine.*

EDWIN BENTLEY, M. D.,

*Institutes and Practice of Surgery.*

JAS. A. DIBRELL, JR., M. D.,

*General, Descriptive and Surgical Anatomy, and President of Faculty.*

A. L. BREYSACHER, M. D.,

*Obstetrics and Diseases of Women and Children.*

JOHN J. McALMONT, M. D.,

*Materia Medica, Therapeutics, Hygiene and Botany.*

JAMES H. SOUTHALL, M. D.,

*Institutes of Medicine.*

ROSCOE G. JENNINGS, M. D.,

*Clinical Surgery and Dermatology.*

CUTHBERT P. CONRAD, A. M., UNIVERSITY OF VIRGINIA,

*Medical Chemistry and Toxicology.*

L. P. GIBSON, M. D.,

*Demonstrator of Anatomy.*

T. E. MURRELL, M. D.,

*Ophthalmology and Otology.*

JAMES H. LENOW, M. D.,

*Diseases of Genito-Urinary Organs.*

CLAIBORNE WATKINS, M. D.,

*Physical Diagnosis and Clinical Medicine.*

LOUIS R. STARK, M. D.,

*Gynæcology.*

JOHN WATERS, M. D.,  
*Clinical Medicine and Prosector of Anatomy.*

B. L. GOLDING, U. S. SIGNAL SERVICE,  
*Meteorology, Etc.*

John H. Shed, Janitor, at the College, on Second, between  
Main and Louisiana Streets.

All communications should be addressed to

R. G. JENNINGS, M. D., Secretary of Faculty,  
Little Rock, Ark.

# CATALOGUE OF STUDENTS.

SESSION 1885-6.

## COLLEGIATE DEPARTMENT.

### SENIOR CLASS.

Bates, J. H.....	Cincinnati, Washington County, Ark.
Leverett, Mary.....	Fayetteville, Washington County, Ark.
Middleton, Mai.....	Fayetteville, Washington County, Ark.
Mulholland, Sarah.....	Fayetteville, Washington County, Ark.
Tillar, B. J.....	Tillar's Station, Drew County, Ark.
Total.....	5.

### JUNIOR CLASS.

Crump, Mintie H.....	Harrison, Boone County, Ark.
Dickson, W. E.....	Magnolia, Columbia County, Ark.
Duffie, B. C.....	Princeton, Dallas County, Ark.
Gibson, A. V.....	DeWitt, Arkansas County, Ark.
Hipolite, F. A.....	Devall's Bluff, Prairie County, Ark.
Humphreys, T. H.....	Fort Smith, Sebastian County, Ark.
Vaughn, W. R.....	Little Rock, Pulaski County, Ark.
Wilkinson, H. D.....	Lavaca, Sebastian County, Ark.
Total .....	8.

### SOPHOMORE CLASS.

Bowles, Preston.....	Hancock, Washington County, Ark.
Brooks, S. J.....	Viney Grove, Washington County, Ark.
Crozier, W. N.....	Fayetteville, Washington County, Ark.
Davies, C. A.....	Fayetteville, Washington County, Ark.
Danaher, Mike.....	Little Rock, Pulaski County, Ark.
Drake, N. F.....	Cincinnati, Washington County, Ark.
Flynn, W. M.....	Fayetteville, Washington County, Ark.
Hall, H. J.....	Fayetteville, Washington County, Ark.

Harris, Ada.....	Fayetteville, Washington County, Ark.
Hobbs, J. H.....	Bentonville, Benton County, Ark.
Miller, Wm.....	Plantersville, Drew County, Ark.
Obenshain, Ora.....	Fayetteville, Washington County, Ark.
Ostrander, Effie.....	Fayetteville, Washington County, Ark.
Pace, Ida.....	Fayetteville, Washington County, Ark.
Polson, Alice.....	Southwest City, McDonald County, Mo.
Powell, W. W.....	Melbourne, Izard County, Ark.
Reed, J. L.....	Fayetteville, Washington County, Ark.
Stone, A. B.....	Fayetteville, Washington County, Ark.
Taff, J. H.....	Waldron, Scott County, Ark.
Treadwell, Lee.....	Toledo, Cleveland County, Ark.
Warren, G. A.....	Hazel Grove, Independence County, Ark.
Williams, H. E.....	Fayetteville, Washington County, Ark.
Total.....	22.

#### FRESHMAN CLASS.

Aiken, Don.....	Fayetteville, Washington County, Ark.
Botefuhr, Beulah.....	Fayetteville, Washington County, Ark.
Coffey, Belle.....	Fayetteville, Washington County, Ark.
Downes, S. A. ....	Nashville, Howard County, Ark.
Duffie, Sidney.....	Princeton, Dallas County, Ark.
Edgar, G. D.....	Fayetteville, Washington County, Ark.
Ellis, Kate.....	Fayetteville, Washington County, Ark.
Fishback, L. F.....	Fort Smith, Sebastian County, Ark.
Fuqua, Birdie.....	Fayetteville, Washington County, Ark.
Ganaway, J. R.....	Warren, Bradley County, Ark.
Harrison, Grace.....	Washington, D. C.
Humphreys, G. A.....	Fort Smith, Sebastian County, Ark.
Kemp, Elzie.....	Fayetteville, Washington County, Ark.
McIlroy, J. H.....	Fayetteville, Washington County, Ark.
McNeely, J. C.....	Little Rock, Pulaski County, Ark.
McRoy, Minnie....	Fayetteville, Washington County, Ark.
Reed, J. L.....	Fayetteville, Washington County, Ark.
Reed, W. L.....	Fayetteville, Washington County, Ark.
Rutherford, Julia.....	Billingsley, Washington County, Ark.

Skelton, G. V.....	Fayetteville, Washington County, Ark.
Slagle, Ida.....	Siloam, Benton, County, Ark.
Southerland, J. W.....	Hindsville, Madison County, Ark.
Taff, A. G.....	Waldron, Scott County, Ark.
Taff, J. A.....	Waldron, Scott County, Ark.
Taff, Mollie.....	Waldron, Scott County, Ark.
Thornton, T. J.....	Hampton, Calhoun County, Ark.
Tillman, Annie.....	Fayetteville, Washington County, Ark.
Trott, Bertha.....	Fayetteville, Washington County, Ark.
Valentine, T. J.....	Webb City, Franklin County, Ark.
Wade, J. M.....	Blanshard's Springs, Union County, La.
Whitford, W. E. ....	Silver Hill, Sevier County, Ark.
Wainwright, Fannie.....	Fayetteville, Washington County, Ark.
Wheeler, J. N.....	Warren, Bradley County, Ark.
Total.....	33.

# PREPARATORY DEPARTMENT.

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## SUB-FRESHMAN CLASS.

Albright G. E.....	Fayetteville, Washington County, Ark.
Ammons, Molsie.....	El Dorado, Union County, Ark.
Anderson, W. L.....	Fayetteville, Washington County, Ark.
Baum, Nettie.....	Fayetteville, Washington County, Ark.
Beard, Elisha.....	Oil Trough, Independence County, Ark.
Blanks, W. L.....	Hamburg, Ashley County, Ark.
Brown, A. S.....	Charleston, Franklin County, Ark.
Brown, John.....	Belmont, Crawford County, Ark.
Brown, J. R.....	Gurdon, Clark County, Ark.
Bruce, T. V.....	Fort Smith, Sebastian County, Ark.
Campbell, Pearl.....	Fayetteville, Washington County, Ark.
Corley, E. P.....	Fayetteville, Washington County, Ark.
Dean, Mark.....	Morrilton, Conway County, Ark.
Dibrell, M. S.....	Van Buren, Crawford County, Ark.
Dowdle, T. A.....	Morrilton, Conway County, Ark.
Dowell, Delia.....	Fayetteville, Washington County, Ark.
Dowell, S. F.....	Fayetteville, Washington County, Ark.
Dunaway, Maggie.....	Fayetteville, Washington County, Ark.
Dunaway, W. C.....	Good Hope, Faulkner County, Ark.
Edgar, Bessie.....	Fayetteville, Washington County, Ark.
Ellis, Jessie.....	Fayetteville, Washington County, Ark.
Gaines, J. H.....	Greenwood, Sebastian County, Ark.
Greene, A. T.....	Morrilton, Conway County, Ark.
Gregg, Dora.....	Fayetteville, Washington County, Ark.
Gregg, H. L.....	Fayetteville, Washington County, Ark.
Gunter, W. T.....	Fayetteville, Washington County, Ark.
Hames, W. S.....	Pineville, Izard County, Ark.
Harris, R. D.....	Melbourne, Izard County, Ark.
Hervey, W. R.....	Morrilton, Conway County, Ark.
Huckleberry, J. H.....	Van Buren, Crawford County, Ark.

Irvin, R. W.....	Fayetteville, Washington County, Ark.
Johnson, W. H.....	Clarendon, Monroe County, Ark.
Kingston, C. D.....	Granby, Newton County, Ark.
Lane, A. C. ....	Dallas, Polk County, Ark.
Magness, J. W.....	Fayetteville, Washington County, Ark.
Messenger, E. F.....	Prattsville, Grant County, Ark.
Michaels, J. F.....	Fayetteville, Washington County, Ark.
Miller, E. S.....	Fort Smith, Sebastian County, Ark.
Millsaps, N.....	Fayetteville, Washington County, Ark.
Morrow, Mattie.....	Fayetteville, Washington County, Ark.
Mosely, B. J.....	Eureka Springs, Carroll County, Ark.
North, Nattie....	Maguire's Store, Washington Co., Ark.
Northrop, A. E.....	Pass Christian, Harrison County, Miss.
Obenshain, Ula.....	Eureka Springs, Carroll County, Ark.
Pace, Frank.....	Fayetteville, Washington County, Ark.
Park, P. J.....	Cabot, Lonoke, County, Ark.
Pittman, H. N.....	Fayetteville, Washington County, Ark.
Pittman, Jennie.....	Fayetteville, Washington County, Ark.
Reynolds, Mattie.....	Fayetteville, Washington County, Ark.
Robertson, F. O.....	Monticello, Drew County, Ark.
Routh, Louella.....	Boonsborro, Washington County, Ark.
Rutherford, R. L.....	Billingsly, Washington County, Ark.
Shreve, A. W.....	Farmington, Washington County, Ark.
Shreve, H. B.....	Farmington, Washington County, Ark.
Sloan, J. H.....	Powhatan, Lawrence County, Ark.
Taylor, Maggie.....	Fayetteville, Washington County, Ark.
Turner, F. P.....	Newport, Jackson County, Ark.
Turner, G. W.....	Ossawotamie, Kansas.
Vaughn, Cordie.....	Fayetteville, Washington County, Ark.
Volentine, Alice.....	Webb City, Franklin County, Ark.
Walker, Nannie.....	Fayetteville, Washington County, Ark.
Waters, G. A. ....	Dayton, Sebastian County, Ark.
Webb, Abner.....	New Edinburg, Cleveland County, Ark.
White, E. J.....	Bentonville, Benton County, Ark.
Whitmore, J. T.....	Center Point, Howard County, Ark.
Williams, O. H.....	Fayetteville, Washington County, Ark.

Wines, Lula.....	Fayetteville, Washington County, Ark.
Wood, R. E.....	Wallaceburg, Hempstead County, Ark.
Young, C. I.....	Fayetteville, Washington County, Ark.
Total.....	69.

### A CLASS.

Baldrige, G. W.....	Fayetteville, Washington County, Ark.
Birner, J. W.....	Turner, Phillips County, Ark.
Bnd, Board .....	Newport, Jackson County, Ark.
Botuhr, Fannie.....	Fayetteville, Washington County, Ark.
Bray, W. O.....	Fayetteville, Washington County, Ark.
Bish, C. F.....	Van Buren, Crawford County, Ark.
Butler, D. C.....	Malvern, Hot Springs County, Ark.
Campbell, R. O.....	Fayetteville, Washington County, Ark.
Crikscales, N. A.....	Van Buren, Crawford County, Ark.
Collins, Lillie.....	Fayetteville, Washington County, Ark.
Conley, J. F.....	Waldron, Scott County, Ark.
Curry, Jennie.....	Fayetteville, Washington County, Ark.
Curry, Lula.....	Fayetteville, Washington County, Ark.
Curry, May.....	Fayetteville, Washington County, Ark.
Davidson, Lenna.....	Fayetteville, Washington County, Ark.
Davies, Elza.....	Fayetteville, Washington County, Ark.
Davis, Z. no W.....	Fort Smith, Sebastian County, Ark.
Doak, J. A.....	Boonsboro', Washington County, Ark.
Duke, Anne.....	Fayetteville, Washington County, Ark.
Eoff, L. F.....	Bellfonte, Boone County, Ark.
Fuqua, Jessie.....	Fayetteville, Washington County, Ark.
Greene, Fred W.....	Fayetteville, Washington County, Ark.
Hamiter, J. H.....	Walnut Hills, Lafayette County, Ark.
Hamor, Capitola.....	Winnsboro', Texas.
Hansard, C. O.....	Fayetteville, Washington County, Ark.
Harris, J. F.....	Hot Springs, Garland County, Ark.
Harrison, Lydia.....	Fayetteville, Washington County, Ark.
Healy, Dan.....	Fayetteville, Washington County, Ark.
Horton, S. A.....	Fair View, Dallas County, Ark.
Hudson, E. M.....	Dahoma, Franklin County, Ark.

Hurlbut, Maude, .....	Fayetteville, Washington County, Ark.
Jackson, Edna.....	Fayetteville, Washington County, Ark.
Jennings, Lizzie.....	Fayetteville, Washington County, Ark.
Jobe, Fannie.....	Fayetteville, Washington County, Ark.
Jones, Bertie.....	Fayetteville, Washington County, Ark.
Lacotts, J. A.....	DeWitt, Arkansas County, Ark.
Lee, Frank.....	Fayetteville, Washington County, Ark.
Lee, Lillie.....	Fayetteville, Washington County, Ark.
Lewis, Joe.....	Boonsboro', Washington County, Ark.
Logan, Ed.....	Walnut Hills, Lafayette County, Ark.
Mayes, Ida.....	Fayetteville, Washington County, Ark.
McGough, T. J.....	Dilo, Union County, Ark.
McIlroy, C. D.....	Fayetteville, Washington County, Ark.
Mitchell, J. F.....	Coffee Creek, Phillips County, Ark.
Morrow, S. Y.....	Fayetteville, Washington County, Ark.
Nash, W. A.....	Jonesboro', Craighead County, Ark.
Nix, Minnie.....	Fayetteville, Washington County, Ark.
Oliver, Wallace.....	Lee's Creek, Crawford County, Ark.
Pace, Henry.....	Fayetteville, Washington County, Ark.
Parker, E. L.....	DeWitt, Arkansas County, Ark.
Pollard, Mary.....	Fayetteville, Washington County, Ark.
Pounds, W. M.....	Jonesboro', Craighead County, Ark.
Price, W. M.....	Little Rock, Pulaski County, Ark.
Quinney, W. R.....	Lanark, Bradley County, Ark.
Reed, F. W.....	Reed's, Jasper County, Ark.
Reed, Maude.....	Fayetteville, Washington County, Ark.
Reynolds, Fannie.....	Fayetteville, Washington County, Ark.
Savage, W. J.....	Eureka Springs, Carroll County, Ark.
Saxon, E. F.....	Lisbon, Union County, Ark.
Schoolfield, R. E.....	Fayetteville, Washington County, Ark.
Shaw, G. G.....	Conway, Faulkner County, Ark.
Smith, S. K.....	Fayetteville, Washington Ark.
Switzer, D. M.....	Petersburg, Ashley, County, Ark.
Thomas, Lizzie.....	Fayetteville, Washington County, Ark.
Thomson, Floyd.....	Hope, Hempstead County, Ark.
Treadwell, Evans. Jr.....	Toledo, Cleveland County, Ark.
Turner, J. L.....	Cypert, Phillips County, Ark.

VanWinkle, Peter.....	Fayetteville, Washington County, Ark.
Vaughan, J. C.....	Fayetteville, Washington County, Ark.
Vaughan, R. E.....	Fayetteville, Washington County, Ark.
Volentine, J. B.....	Webb City, Franklin County, Ark.
Walker, Lou.....	Fayetteville, Washington County, Ark.
Ward, W. J.....	Charlotte, Independence County, Ark.
Watson, Fannie.....	Boonsboro, Washington County, Ark.
*West, R. E. L....	Clarendon, Monroe County, Ark.
Whitten, J. D.....	Bellefonte, Boone County, Ark.
Wigley, Mittie.....	Mulberry, Franklin County, Ark.
Zellner, J. N.....	Vinney Grove, Washington County, Ark.
Total .....	78.

\*Died September 30, 1885.

## B CLASS.

Aiken, Gertie.....	Fayetteville, Washington County, Ark.
Ashley, W. H.....	Little Rock, Pulaski County, Ark.
Baldridge, J. R. ....	Fayetteville, Washington County, Ark.
Breeden, G. O.....	Morrilton, Conway County, Ark.
Brickell, J. B.....	Poplar Grove, Phillips County, Ark.
Burns, Alice.....	El Dorado, Union County, Ark.
Byrnes, Dora.....	Fayetteville, Washington County, Ark.
Carter, G. W.....	Carter's Store, Washington County, Ark.
Carter, Lizzie.....	Fayetteville, Washington County, Ark.
Crawford, Della .....	Fayetteville, Washington County, Ark.
Cummings, Lula.....	Prairie Grove, Madison County, Ark.
Dale, Nina.....	Fayetteville, Washington County, Ark.
Deaderick, J. D.....	Vandale, Cross County, Ark.
Dowdle, Katie.....	Morrilton, Conway County, Ark.
Ferguson, A. L.....	Fayetteville, Washington County, Ark.
Ferguson, George.....	Fayetteville, Washington County, Ark.
Fisher, N. F.....	Greenwood, Sebastian County, Ark.
George, K. L.....	Reed's Landing, Pulaski County, Ark.
Green, T. C.....	Barton, Phillips County, Ark.
Gregg, Ida.....	Fayetteville, Washington County, Ark.

Harrison, W. H.....	Sulphur Rock, Independence Co., Ark.
Hight, Beulah. ....	Whitener, Madison County, Ark.
Hollis, Russell.....	Orlando, Cleveland County, Ark.
Horton, Maude.....	Fair View, Dallas County, Ark.
Hunt, Gertie.....	Fayetteville, Washington County, Ark.
Irvin, R. B.....	Fayetteville, Washington County, Ark.
Jackson, A. L.....	Altus, Franklin County, Ark.
Johnson, G. W.....	Fayetteville, Washington County, Ark.
Lewis, L. L.....	Fayetteville, Washington County, Ark.
Lowry, Sam.....	Helena, Phillips County, Ark.
Martin, E. W.....	Fort Smith, Sebastian County, Ark.
McCrary, R. D.....	Mineral Springs, Howard County, Ark.
McIlroy, Annie.....	Fayetteville, Washington County, Ark.
McNeely, T. H.....	Rackensack, Pulaski County, Ark.
Meyer, J. R.....	Pine Bluff, Jefferson County, Ark.
Middleton, Maude.....	Fayetteville, Washington County, Ark.
Mills, B. L.....	El Paso, White County, Ark.
Nunn, J. B.....	Camden, Ouachita County, Ark.
O'Connell, Maggie.....	Fayetteville, Washington County, Ark.
Probst, C. J.....	Little Rock, Pulaski Countw, Ark.
Shaver, S. L.....	Grange, Sharp County, Ark.
Smith, Leon.....	Fayetteville, Washington County, Ark.
Smith, W. L.....	Fayetteville, Washington County, Ark.
Stuart, R. B.....	Columbus, Hempstead County, Ark.
Switzer, Nattie M.....	Petersburg, Ashley County, Ark.
Taff, S. M.....	Fayetteville, Washington County, Ark.
Velvin, R. W.....	Hope, Hempstead County, Ark.
Washmoor, W. B.....	Little Rock, Pulaski County, Ark.
✓ Watson, J. E.....	Ozark, Franklin County, Ark.
Wells, T. R.....	Morrilton, Conway County, Ark.
✓ Wilson, Lizzie.....	Fayetteville, Washington County, Ark.
Total.....	51.

### C CLASS.

Archias, L. H.....	Fayetteville, Washington County, Ark.
Brown, A. W.....	Little Rock, Pulaski County, Ark.

Buckner, Jennie.....	Fayetteville, Washington County, Ark.
Butt, Ellie.....	Fayetteville, Washington County, Ark.
Childs, R. M.....	Lanark, Bradley County, Ark.
Collins, S. S.....	Van Buren, Crawford County, Ark.
Deaderick, I. N.....	Vanndale, Cross County, Ark.
Dodds, J. B., Jr.....	Pine Bluff, Jefferson County, Ark.
Edgar, Geo. T.....	Fayetteville, Washington County, Ark.
Everett, J. W.....	Norwoodville, Sevier County, Ark.
Ferguson, J. W.....	Fayetteville, Washington County, Ark.
Faulker, C. E.....	Helena, Phillips County, Ark.
Greer, Luther.....	Searcy, White County, Ark.
Halk, J. W.....	Cherry Valley, Cross County, Ark.
Harris, R. C.....	Fayetteville, Washington County, Ark.
Howell, Willey.....	Fayetteville, Washington County, Ark.
Howerton, C. T.....	Fayetteville, Washington County, Ark.
Hulse, M. L.....	Fayetteville, Washington County, Ark.
Hurlbut, J. S.....	Fayetteville, Washington County, Ark.
Jackman, J. S.....	New Gascony, Jefferson County, Ark.
Jackson, Hugh.....	Fayetteville, Washington County, Ark.
Jelks, J. L.....	Riverside, Woodruff County, Ark.
Johnson, Lydia K.....	Fayetteville, Washington County, Ark.
Kellogg, W. S.....	Little Rock, Pulaski County, Ark.
Killough, Wesley.....	Vanndale, Cross County, Ark.
Langford, A. E. B.....	Champagnolle, Union County, Ark.
Lee, C. E.....	Fayetteville, Washington County, Ark.
Long, Annie.....	Wesley, Madison County, Ark.
McKinney, W. M.....	Akron, Independence County, Ark.
McNair, W. D.....	Fayetteville, Washington County, Ark.
Murrell, Walter.....	Austin, Lonoke County, Ark.
Northrop, J. D.....	Pass Christian, Harrison County, Miss.
Pounds, W. A.....	Jonesboro, Craighead County, Ark.
Randolph, Berry.....	Hot Springs, Garland County, Ark.
Sevier, A. H.....	Walnut Hills, Lafayette County, Ark.
Shreve, H. W.....	Farmington, Washington County, Ark.

Simmons, Ella.....	Fayetteville, Washington County, Ark.
Smith, R. L.....	Russellville, Pope County, Ark.
Sosbee, J. M.....	Santos, Pope County, Ark.
Talley, J. C.....	Calico Rock, Izard County, Ark.
Wade, Eddie B.....	Fayetteville, Washington County, Ark.
Wade, M. C.....	Fayetteville, Washington County, Ark.
Ward, W. J.....	Fayetteville, Washington County, Ark.
Warren, J. T.....	El Paso, White County, Ark.
Webster, Katie.....	Little Rock, Pulaski County, Ark.
White, Lula.....	Fayetteville, Washington County, Ark.
Yarbro, W. P.....	Riverside, Woodruff County, Ark.
Total .....	47.

#### MUSIC CLASS.

Boles, Mary.....	Fayetteville, Washington County, Ark.
Buckner, Jennie.....	Fayetteville, Washington County, Ark.
Carter, Nora.....	Fayetteville, Washington County, Ark.
Carter, Lizzie.....	Fayetteville, Washington County, Ark.
Collins, Lillie.....	Little Rock, Pulaski County, Ark.
Dale, Nina.....	Fayetteville, Washington County, Ark.
Davidson, Lenna.....	Fayetteville, Washington County, Ark.
Dowell, Delia.....	Fayetteville, Washington County, Ark.
Dowdle, Kate.....	Morrilton, Conway County, Ark.
Duffie, Sidney.....	Princeton, Dallas County, Ark.
Edgar, Gertrude.....	Fayetteville, Washington County, Ark.
Fuqua, Birdie.....	Fayetteville, Washington County, Ark.
Gregg, Ida.....	Fayetteville, Washington County, Ark.
Gunter, Gertrude.....	Fayetteville, Washington County, Ark.
Harrison, Lizzie.....	Fayetteville, Washington County, Ark.
Harris, Mary.....	Bentonville, Benton County, Ark.
Harris, John.....	Hot Springs, Garland County, Ark.
Healy, Mary.....	Fayetteville, Washington County, Ark.
Horton, Maud.....	Fairview, Dallas County, Ark.
Jennings, Lily.....	Fayetteville, Washington County, Ark.
Jennings, Lizzie.....	Fayetteville, Washington County, Ark.
Johnson, Lydia.....	Fayetteville, Washington County, Ark.

Knight, Carrie.....	Fayetteville, Washington County, Ark.
Loy, Minnie.....	Fayetteville, Washington County, Ark.
Macon, G. W.....	Talladega, Alabama.
Maguire, Addie.....	Maguire's Store, Washington Co. Ark.
Phelps, Mamie.....	Fayetteville, Washington County, Ark.
Pitman, Mary.....	Fayetteville, Washington County, Ark.
Polson, Alice.....	Southwest City, McDonald County, Mo.
Reed, Maud.....	Fayetteville, Washington County, Ark.
Sanders, Zena.....	Huntsville, Madison County, Ark.
Slagle, Ida.....	Rico, Benton County, Ark.
Stone, Amanda.....	Fayetteville, Washington County, Ark.
Thurmond, Mamie.....	Fayetteville, Washington County, Ark.
Trott, Robbie.....	Fayetteville, Washington County, Ark.
Van Winkle, Peter.....	Fayetteville, Washington County, Ark.
Walker, Mannie.....	Fayetteville, Washington County, Ark.
Walker, Lou.....	Fayetteville, Washington County, Ark.
Webster, Kate.....	Little Rock, Pulaski County, Ark.
Whitlow, Mabel.....	Pilot Grove, Cooper County, Mo.
Watterman, Jessie.....	Fayetteville, Washington County, Ark.
Williams, Mattie.....	Fayetteville, Washington County, Ark.
Wilson, Bell.....	Fayetteville, Washington County, Ark.
Total.....	43.

#### ART CLASS.

Baum, Lelia.....	Fayetteville, Washington County, Ark.
Davies, Audie.....	Fayetteville, Washington County, Ark.
Putnam, Annie.....	Fayetteville, Washington County, Ark.
Reed, Lina.....	Fayetteville, Washington County, Ark.
Walker, Nannie.....	Fayetteville, Washington County, Ark.
Total.....	5.

## GENERAL SUMMARY.

### LITERARY, SCIENTIFIC AND ART SCHOOLS, FAYETTEVILLE.

Collegiate Department.....	68
Preparatory Department.....	245
Failed to Pass Entrance Examination.....	15
Music Class.....	43
Art Class.....	5
Total.....	<u>376</u>
Names Repeated in Music and Art.....	22
Net Total.....	<u>354</u>
Medical Department, Little Rock.....	53
Branch Normal.....	<u>203</u>
Grand Total.....	<u>610</u>

## COURSES OF STUDY.

### COLLEGIATE DEPARTMENT.

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The following are the College courses :

1. AGRICULTURAL COURSE, leading to the distinction of Graduate in Agriculture.
2. NORMAL COURSE, leading to the distinction of Graduate in the Normal Department.
3. Mechanical Engineering, (Mech. E.)
4. Civil Engineering Course, (C. E.)
5. General Science Course, (B. S.)
6. Bachelor of Letters Course, (B. Let.)
7. Language Course, (B. A.)

### HIGH SCHOOL DEPARTMENT.

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This department, which is between the Grammar School and the College, embraces the following courses :

1. Language Course.
2. Short Normal Course.
3. Business Course.

### GRAMMAR SCHOOL.

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This school, made necessary by the imperfect preparatory training in many of the Counties of the State, embraces two classes, instruction in which is confined to the Common School branches. It is hoped that the Public School system may soon become so efficient as to enable the University to dispense with classes of this grade.

## AGRICULTURAL COURSE.

A figure after any subject indicates the number of recitations per week.

YEARS. Hours of Rec'ns.	FIRST TERM.	SECOND TERM.	THIRD TERM.
FIRST.	Eng. Gram. and Composition	Eng. Gram. and Composition	Eng. Gram. and Composition
	Arithmetic .....	Arithmetic .....	Arithmetic .....
	U. S. History .....	U. S. History .....	U. S. History .....
	Reading and Spelling .....	Reading and Spelling .....	Reading and Spelling .....
	Physical Geography .....	Elementary Physics .....	Elementary Physics .....
SECOND.	Practical Agriculture or Drawing and Shop Work	Practical Agricultural or Drawing and Shop Work	Practical Agricultural or Drawing and Shop Work
	Eng. Analysis and Comp'n	Eng. Analysis & Composition	Eng. Analysis and Compo'n...
	Algebra .....	Algebra and Geometry .....	Geometry .....
	Practical Agriculture .....	Practical Agriculture .....	Practical Agriculture .....
	El. Chemistry, 3, Elocu- tion, 2 .....	El. Physiology, 3, Elocu- tion, 2 .....	El. Botany, 3, Elocution, 2...
THIRD.	Practical Agriculture or Drawing and Shop Work.	Practical Agriculture or Drawing and Shop Work.	Practical Agriculture or Drawing and Shop Work...
	1st Algebra .....	Algebra and Geometry .....	Geometry .....
	2d Physiology .....	Zoology .....	Botany .....
	3d English .....	English .....	English .....
	4th General Chemistry .....	General Chemistry .....	Gen. Chem. and Laboratory..
FOURTH.	5th .....	.....	.....
	6th Practical Agriculture or Shop Work and Drawing.	Practical Agriculture or Shop Work and Drawing.	Practical Agriculture or Shop Work and Drawing .....
	1st Analyt. Chemistry, Qual .....	Analyt. Chemistry, Qual .....	Agricultural Chemistry .....
	2d Struct. and Microscop. Bot'y.	Science of Agriculture .....	.....
	3d Geometry .....	Plane Trigonometry .....	Trigonometry & Surveying ...
FOURTH.	4th .....	.....	.....
	5th Geology .....	Lectures on Entomology, 3, Veterinary Science, 2	Ethics, 3, Polit. Econ, 2 .....
	6th Engineering and Architec- ture, 3, Shop Work, 2 .....	Engineering and Architec- ture, 3, Shop Work, 2 .....	Practical Agriculture .....
	.....	.....	Practical Agriculture, 2, En- gineering and Arch., 8 .....

A post-graduate course of two years, embracing a more extended course in Chemistry, Agricultural Science, Geology, Mineralogy, Mathematics, German, Ethics, Sociology and Evidences of Christianity, with Astronomy and Constitutional Law, will entitle the student to the degree of Bachelor of Science.

NORMAL COURSE.

YEARS.	HOURS of Rec't'n.	FIRST TERM.	SECOND TERM.	THIRD TERM.
FIRST.		Eng. Gram. and Composition.	Eng. Gram. and Composition	Eng. Gram. & Composition ...
		Arithmetic.....	Arithmetic.....	Arithmetic.....
		U. S. History.....	U. S. History.....	U. S. History.....
		Reading and Spelling—Methods of Teaching.....	Reading and Spelling—Methods of Teaching.....	Reading and Spelling—Methods of Teaching.....
		Latin { Gildersleeve's Gram. Jone's 1st Lessons.....	Latin Gram. and Lessons.....	Latin Gram. and Lessons.....
		Drawing and Shop Work.....	Drawing and Shop Work.....	Drawing and Shop Work.....
SECOND.		Eng. Analysis and Comp'n....	Eng. Analysis and Compos'n	Eng. Analysis and Compos'n
		Algebra.....	Algebra and Geometry.....	Geometry.....
		Latin { Grammar, Composition and Reader.....	Latin, Cæsar or Curtius.....	Latin, Cæsar or Curtius.....
		Pedagogy.....	Pedagogy.....	Pedagogy.....
		Drawing and Shop Work.....	Drawing and Shop Work.....	Drawing and Shop Work.....
THIRD.	1st.	Algebra.....	Algebra and Geometry.....	Geometry.....
	2d.		Zoology, 2.....	Botany, 2.....
	3d.	English.....	English.....	English.....
	4th.	Physics.....	Methods of Teaching, 3.....	Theo. & Pract. Teaching, 3..
	5th.	Latin, Cæsar or Nepos.....	Latin, Virgil, & Rom. Hist....	Latin, Virgil & Rom. History
	6th.	Shop Work and Drawing.....	Shop Work and Drawing.....	Shop Work and Drawing.....
FOURTH.	1st.	History of Education, 3, English, 2.....	Philos. of Education, 3, English, 2.....	Constitution U. S. and Ark., English, 2.....
	2d.	Latin, Cicero's Orations.....	Latin, Odes of Horace.....	Latin, Livy.....
	3d.	Geometry.....	Plane Trigonometry.....	Trigonometry and Surveying.
	4th.	General Chemistry.....	General Chemistry.....	Ethics and Political Economy
	5th.			
	6th.	Drawing and Shop Work.....	Drawing and Shop Work.....	Psychology, 3, School Law, 2

A post-graduate course of two years, embracing Mineralogy, Geology, Latin, Anglo-Saxon, Analytical Geometry, English Psychology, Ethics, Sociology, Evidences of Christianity, Political Science and Logic, will entitle the student to the degree of Bachelor of Letters.

## COURSE OF MECHANICAL ENGINEERING.

CLASSES	Hours of Recitation.			
		FIRST TERM.	SECOND TERM.	THIRD TERM.
FRESHMAN.	1st.	Algebra.....	Algebra and Geometry.....	Geometry.....
	2d.	Mechanical Drawing, Work Shop Appliances	Zoology.....	Botany .....
	3d.	English .....	English .....	English .....
	4th.	Physics .....	Physical Laboratory Work ..	Elementary Mechanics.....
	5th.	.....	.....	.....
	6th.	Shop Work and Drawing.....	Shop Work and Drawing .....	Shop Work and Drawing
SOPHOMORE.	1st.	Mechanical Drawing.....	Mechanical Drawing.....	Mechanical Drawing.....
	2d.	Elements of Mechanism, 3.....	Elements of Mechanism, 3.....	Elements of Mechanism, 3.....
	3d.	Geometry.....	Plane Trigonometry.....	Trigonometry and Surveying
	4th.	General Chemistry.....	General Chemistry.....	Gen. Chem. and Laboratory
	5th.	Electricity .....	Heat .....	Physical Laboratory Work...
	6th.	Shop Work, 2.....	Shop Work, 2.....	Shop Work, 2.....
JUNIOR.	1st.	Analyt. Chemistry, Qual.....	Analyt. Chem., Qual., 4.....	.....
	2d.	Analytical Geometry.....	Analyt. Geom. and Calculus	Calculus .....
	3d.	.....	El. Applied Mechanics, 3.....	Elem. Applied Mechanics.....
	4th.	Machinery and Mill Work.....	Machinery and Mill Work.....	Machinery and Mill Work.....
	5th.	Steam Engine and Boilers.....	Steam Engine and Boilers, 3.....	Mineralogy.....
	6th.	Drawing .....	Drawing .....	Drawing.....
SENIOR.	1st.	Rankine's Steam Engine.....	Rankine's Steam Engine.....	Rankine's Steam Engine.....
	2d.	Lectures on Designing.....	.....	.....
	3d.	Astronomy .....	Astronomy.....	Lectures on Designing, 3, Mech. & Hydr. Engin'g, 2
	4th.	Applied Mechanics .....	Applied Mechanics .....	Applied Mechanics.....
	5th.	.....	Ind. Chemistry, half term, Ethics, half term.....	Ethics and Ev. Christianity...
	6th.	Drawing.....	Drawing .....	Thesis .....

## COURSE OF CIVIL ENGINEERING.

CLASSES.	Hours of Recitation			
		FIRST TERM.	SECOND TERM.	THIRD TERM.
FRESHMAN.	1st.	Algebra.....	Algebra and Geometry.....	Geometry.....
	2d.	Mechanical Drawing.....	Zoology.....	Botany.....
	3d.	English.....	English.....	English.....
	4th.	Physics.....	Physical Laboratory Work..	Elementary Mechanics.....
	5th.	.....	.....	.....
	6th.	Shop Work and Drawing.....	Shop Work and Drawing.....	Shop Work and Drawing.....
SOPHOMORE.	1st.	Mechanical Drawing.....	Mechanical Drawing.....	Mechanical Drawing.....
	2d.	.....	.....	.....
	3d.	Geometry.....	Plane Trigonometry.....	Trigonometry and Surveying
	4th.	General Chemistry.....	General Chemistry.....	Gen. Chem. & Laboratory.....
	5th.	Electricity.....	Heat.....	Physical Laboratory Work...
	6th.	Surveying, 3, Shop Work, 2	Surveying, 3, Shop Work, 2	Topog'y, 3, Shop Work, 2.....
JUNIOR.	1st.	Analyt. Chemistry, Qual.....	Higher Surveying.....	.....
	2d.	Analytical Geometry.....	Analyt. Geom. and Calculus	Calculus.....
	3d.	Field Engineering, R. Rds.	Field Engineering, 2 El. Applied Mechanics, 3.	Elem. Applied Mechanics....
	4th.	.....	.....	Advanced Topography.....
	5th.	Geology.....	Geology.....	Mineralogy.....
	6th.	Drawing.....	Drawing.....	Drawing.....
SENIOR.	1st.	Civil Engineering.....	Civil Engineering.....	Civil Engineering.....
	2d.	Lectures on Designing.....	.....	.....
	3d.	Astronomy.....	Astronomy.....	Lectures on Designing, 3 Mech. & Hydr. Engin'g, 2....
	4th.	Applied Mechanics.....	Applied Mechanics.....	Applied Mechanics.....
	5th.	.....	Ind. Chemistry, $\frac{1}{2}$ term Ethics, half term.....	Ethics & Ev. Christianity.....
	6th.	Drawing.....	Drawing.....	Thesis.....

# GENERAL SCIENCE COURSE FOR BACHELOR OF SCIENCE.

CLASSES. Hours of Recitation.			
	FIRST TERM.	SECOND TERM.	THIRD TERM.
FRESHMAN.	1st. Algebra.....	Algebra and Geometry.....	Geometry.....
	2d. Physiology.....	Zoology.....	Botany.....
	3d. English.....	English.....	English.....
	4th. Physics.....	Physical Laboratory Work.....	Elementary Mechanics.....
	5th. ....	.....	.....
	6th. Shop Work and Drawing.....	Shop Work and Drawing.....	Shop Work and Drawing.....
SOPHOMORE.	1st. ....	Eng. Hist. and Lit.....	English Hist and Lit.....
	2d. Struct. & Microscop. Botany ..	.....	.....
	3d. Geometry.....	Plane Trigonometry.....	Trigonometry and Surveying
	4th. General Chemistry .....	General Chemistry.....	Gen. Chem. & Laboratory....
	5th. Electricity.....	Heat.....	Physical Laboratory Work....
	6th. Drawing and Shop Work.....	Drawing and Shop Work.....	Drawing and Shop Work.....
JUNIOR.	1st. Analyt. Chemistry, Qual.....	Analyt. Chemistry, Qual.....	Analyt. Chemistry, Quant....
	2d. Analytical Geometry.....	Analyt. Geom. and Calculus..	Calculus.....
	3d. German.....	German.....	German.....
	4th. ....	.....	German.....
	5th. Geology.....	Geology.....	.....
	6th. Drawing.....	.....	Mineralogy.....
SENIOR.	1st. ....	.....	.....
	2d. German.....	German.....	German.....
	3d. Astronomy.....	Astronomy.....	Constitutional Law.....
	4th. ....	Political Economy.....	.....
	5th. Assaying and Mining.....	Ind. Chemistry, half term. Ethics, half term.....	Ethics and Ev. Christianity..
	6th. Analyt. Chemistry, Quant.....	.....	An. Chem., Soils and Plants..

## COURSE FOR BACHELOR OF LETTERS.

CLASSES.	Hours of Recitation			
		FIRST TERM.	SECOND TERM.	THIRD TERM.
FRESHMAN.	1st.	Algebra.....	Algebra and Geometry.....	Geometry.....
	2d.	Physiology.....	Zoology.....	Botany.....
	3d.	English.....	English.....	English.....
	4th.	.....	.....	.....
	5th.	Latin or French.....	Latin & R. Hist. or French.....	Latin & Rom. Hist. or French.....
	6th.	Shop Work and Drawing.....	Shop Work and Drawing.....	Shop Work and Drawing.....
SOPHOMORE.	1st.	English.....	English.....	English.....
	2d.	Latin or French.....	Latin or French.....	Latin or French.....
	3d.	Geometry.....	Plane Trigonometry.....	Trigonometry & Surveying.....
	4th.	.....	.....	.....
	5th.	Geology.....	Geology.....	Mineralogy.....
	6th.	Drawing and Shop Work.....	Drawing and Shop Work.....	Drawing and Shop Work.....
JUNIOR.	1st.	.....	.....	.....
	2d.	Analytical Geometry.....	Annalyt. Geom. & Physics.....	Physica and Astronomy.....
	3d.	Fine Arts.....	Fine Arts.....	Fine Arts.....
	4th.	General Chemistry, 4.....	General Chemistry, 4.....	Logic, 4.....
	5th.	English, 3.....	English, 3.....	English, 3.....
	6th.	Latin or German.....	Latin or German.....	Latin or German.....
SENIOR.	1st.	Latin or German.....	Latin & Roman Lit. or Ger.....	Latin or German.....
	2d.	Fine Arts.....	Fine Arts.....	Fine Arts.....
	3d.	.....	.....	Constitutional Law.....
	4th.	.....	Political Economy, 4.....	.....
	5th.	Psychology.....	Psychology and Ethics.....	Ethics and Ev. Christianity....
	6th.	Anglo-Saxon.....	Anglo-Saxon, 3.....	Anglo-Saxon and Gothic.....

Grammar and prose composition are taught throughout the course in each language.

## LANGUAGE COURSE FOR BACHELOR OF ARTS.

CLASSES.	Hours of Recitation.	FIRST TERM.	SECOND TERM.	THIRD TERM.
FRESHMAN.	1st.	Algebra.....	Algebra and Geometry.....	Geometry.....
	2d.	.....	.....	.....
	3d.	English.....	English.....	English.....
	4th.	Greek, Xenophon, or French	Greek, Xenophon, or French	Greek, Lysias, or French....
	5th.	Latin, Caesar or Nepos.....	Latin, Virgil & Roman Hist...	Latin, Virgil, and Rom. Hist
	6th.	Shop Work and Drawing.....	Shop Work and Drawing.....	Shop Work and Drawing....
SOPHOMORE.	1st.	English.....	English.....	English.....
	2d.	Latin, Cicero's Orations.....	Latin, Odes to Horace.....	Latin, Livy.....
	3d.	Geometry.....	Plane Trigonometry.....	Trigonometry & Surveying...
	4th.	Greek, Herodotus, or French.	Greek, Homer, and Greek History or French.....	Greek, Homer, and Greek History or French.....
	5th.	.....	.....	.....
	6th.	Drawing and Shop Work.....	Drawing and Shop Work.....	Drawing and Shop Work.....
JUNIOR.	1st.	.....	.....	.....
	2d.	Analytical Geometry.....	Analyt. Geom. and Physics...	Physics and Astronomy....
	3d.	Greek, Demosthenes, or Ger...	Greek, Euripides, or Ger...	Greek, Thucydides, or Ger...
	4th.	General Chemistry, 4.....	General Chemistry, 4.....	Logic, 1.....
	5th.	English, 4.....	English, 3.....	English, 3.....
	6th.	Latin, Livy, 3.....	Lat., Sat. & Epist. of Hor., 3.	Latin, Tacitus, 3.....
SENIOR.	1st.	Latin, Cicero and Juvenal	Latin, Juvenal & Rom. Lit. 3.	Greek, Plato, and Greek Literature or German.....
	2d.	Greek, Demosthenes, or Ger...	Greek, Sophocles, or German	.....
	3d.	.....	.....	Constitutional Law.....
	4th.	.....	Political Economy, 4.....	.....
	5th.	Psychology.....	Psychology and Ethics.....	Ethics and Ev. Christianity...
	6th.	Anglo-Saxon.....	Anglo-Saxon.....	Anglo-Saxon and Gothic....

Grammar and prose composition are taught throughout the course in each language.

## HIGH SCHOOL DEPARTMENT—LANGUAGE COURSE.

YEARS.			
	FIRST TERM.	SECOND TERM.	THIRD TERM.
FIRST.	Eng. Gram. and Comp'n.....	Eng. Gram. and Composition.....	Eng. Gram. and Comp'n.....
	Arithmetic.....	Arithmetic.....	Arithmetic.....
	U. S. History.....	U. S. History.....	U. S. History.....
	Reading and Spelling.....	Reading and Spelling.....	Reading and Spelling.....
	Latin (Goldersleeve's Gram. and Jones's 1st Lessons).....	Latin Grammar and Lessons.....	Latin Grammar and Lessons.....
SECOND.	Drawing and Shop Work.....	Drawing and Shop Work.....	Drawing and Shop Work.....
	Eng. Analysis and Comp'n.....	Eng. Analysis and Comp'n.....	Eng. Analysis and Comp'n.....
	Algebra.....	Algebra and Geometry.....	Geometry.....
	Latin (Grammar, Composition and Reader).....	Latin (Caesar or Curtius).....	Latin (Caesar or Curtius).....
	El. Chemistry or Greek, 3.....	El. Physiology or Greek, 3.....	El. Botany or Greek, 3.....
	Elocution, 2.....	Elocution, 2.....	Elocution, 2.....
	Drawing and Shop Work.....	Drawing and Shop Work.....	Drawing and Shop Work.....

## SHORT NORMAL COURSE.

FIRST.	Eng. Grammar and Comp'n.....	Eng. Grammar and Comp'n.....	Eng. Grammar and Comp'n.....
	Arithmetic.....	Arithmetic.....	Arithmetic.....
	U. S. History.....	U. S. History.....	U. S. History.....
	Reading and Spelling.....	Reading and Spelling.....	Reading and Spelling.....
	Methods of Teaching.....	Methods of Teaching.....	Methods of Teaching.....
SECOND.	Physical Geography.....	Elementary Physics.....	Elementary Physics.....
	Drawing and Shop Work.....	Drawing and Shop Work.....	Drawing and Shop Work.....
	Eng. Analysis and Comp'n.....	Eng. Analysis and Comp'n.....	Eng. Analysis and Comp'n.....
	Algebra.....	Algebra and Geometry.....	Geometry.....
	Elementary Chemistry, 3.....	El. Physiology, 3.....	Elementary Botany, 3.....
	Elocution, 2.....	Elocution, 2.....	Elocution, 2.....
	Pedagogy.....	Pedagogy.....	Pedagogy.....
	Drawing and Shop Work.....	Drawing and Shop Work.....	Drawing and Shop Work.....

The satisfactory completion of the above course will entitle the student to a Certificate of Proficiency in the branches taught in the District Schools.

## BUSINESS COURSE.

YEARS.	FIRST TERM.	SECOND TERM.	THIRD TERM.
FIRST.	English Gram. & Comp'n... Arithmetic ..... U. S. History..... Reading and Spelling..... Physical Geography..... Drawing and Shop Work...	English Gram. & Composition..... Arithmetic ..... U. S. History..... Reading and Spelling..... Book-keeping..... Drawing and Shop Work.....	English Gram. & Comp'n... Arithmetic ..... U. S. History..... Reading and Spelling..... Book-keeping ..... Drawing and Shop Work..
SECOND.	English Analysis & Comp Algebra ..... Book-keeping ..... { Elementary Chemistry 3 { Elocution 2..... Drawing and Shop Work ..	English Analysis & Composition.. Algebra and Geometry ..... Book-keeping 3. Commercial Law 2..... { Elementary Physiology 3..... { Elocution 2 ..... Drawing and Shop Work ..	English Analysis & Comp'n Geometry ..... Book-keeping 3. Commercial Law 2..... { Elementary Botany 2.. { Elocution 2 ..... Drawing and Shop Work..

The satisfactory completion of the above course will entitle the student to a diploma, conferring the distinction, Graduate in Business Science.

In all courses of study, original orations and essays will be periodically required of the Senior and Junior classes, and elocutionary exercises of the Sophomore and Freshman classes. Similar exercises may be required of the High School and Grammar School classes, at the discretion of the Faculty.

## OUTLINE OF STUDIES.

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### PSYCHOLOGY, ETHICS, SOCIOLOGY, AND EVIDENCES OF CHRISTIANITY.

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PRESIDENT EDGAR.

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These important studies are taught inductively, no theory or doctrine being urged for acceptance which is not based upon a philosophical induction from the facts of consciousness. The student is taught to subject every statement of fact or principle to the test of his own experience. The fullest and freest discussion of opposing views is encouraged.

#### TEXT AND REFERENCE BOOKS.

*Psychology*—Bascom, Mahan, Porter, Sir William Hamilton.

*Ethics*—Alexander, Dagg, Bascom, Porter, Calderwood.

*Sociology*—Lectures.

*Evidences of Christianity*—Alexander, McIlwain, Butler.

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### ANCIENT LANGUAGES.

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PROF. WILLIS.

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The subjects taught in this department are the Latin Language and Literature and the History of Rome, the Greek Language and Literature and the History of Greece. Authors are read in the order of their difficulty, and neat written translations are required at stated intervals. The grammar and idioms of these languages are carefully studied and compared with those of English and other languages.

Marked attention is paid to the rendering of English into Latin and Greek. In the lower classes the best manuals for Latin and Greek composition are used; for the higher classes carefully graded exercises are prepared by the professor.

Due prominence is given to the study of the Latin and Greek metres. The grammars are made the basis of this instruction, but fuller explanation is given in lectures.

### LATIN.

*Freshman Class:* Gildersleeve's Grammar, Jones' Latin Prose Composition, Caesar (Greenough 2 Books, or Nepos C. & S.) 35 pages, Virgil (Greenough 3 Books of Aeneid and Selections from Eclogues, Smith's Smaller History of Rome.

*Sophomore Class:* Harkness' Grammar, Harkness' Prose Composition, Cicero's Orations (Harkness 50 pages, Odes of Horace (MacLeane), Livy (Lincoln) 60 pages.

*Junior Class:* Harkness' Grammar, Harkness' Prose Composition, Original Exercises, Livy 40 pages, Satires and Epistles of Horace, Tacitus (Tauchnitz).

*Senior Class:* Harkness' Grammar, Original Exercises, Cicero's Moral Works, Juvenal, (Leverett or MacLeane), Quackenbos's Roman Literature.

*Books of Reference:* Harper's Latin-English Lexicon, White's English-Latin Lexicon, Classical Dictionary, Classical Atlas, Zumpt's, Madvig's and Roby's Latin Grammars.

Other authors may occasionally be substituted for those above when a change seems beneficial: (*e. g.*) Sallust, Ovid, Catullus, Tibullus, Propertius, Terence, Pliny.

### GREEK.

*Freshman Class:* Goodwin's Grammar, Jones's Greek Prose Composition, Xenophon's Anabasis (Goodwin) 3 Books, Lysias (Stevens) 2 Orations.

*Sophomore Class:* Goodwin's Grammar, Jones's Prose Composition, Lysias, Herodotus (Mather) 40 pages, Homer's Iliad (Pratt and Leaf) 3 Books, Cox's Smaller History of Greece.

*Junior Class:* Goodwin's Grammar Original Exercises, Demosthenes' Phillippics or Olynthiaes, Euripides 2 Plays, Thucydides 1 Book.

*Senior Class:* Goodwin's Grammar, Original Exercises, Demosthenes De Corona, Sophocles 2 Plays, Plato, Quackenbos's Greek Literature.

*Books of Reference:* Liddell and Scott's Greek-English Lexicon (7th Oxford Edition), Yonge's English-Greek Lexicon, Classical Dictionary, Classical Atlas, Goodwin's Moods and Tenses, Hadley's or Curtius's Grammar.

## ENGLISH, FRENCH, GERMAN AND MODERN HISTORY.

PROFESSOR EDWARDS.

After having been thoroughly drilled in English Grammar and Analysis in the art of Composition, in the Preparatory Department, the student, in the Collegiate Department, is introduced to Elementary Rhetoric, with the object of teaching him to express his thoughts with elegance as well as accuracy; and is, subsequently, advanced to its higher treatment as the Science of Discourse. He is then ready to enter with profit and pleasure upon the study of the History of English Literature, and of the master-pieces of English Composition.

The senior year is devoted to the study of Anglo-Saxon, without which no English course is complete. Throughout the course great attention is paid to carefully graded exercises.

*Freshman Class:* Morris's Historical English Grammar, Bain's Rhetoric, Abbott's "How to Write Clearly," Lectures on the Science of Rhetoric. Bi-weekly exercises will be written, requiring a thorough reading of the following books: Longfellow's *Evangeline*, *Last Days of Pompeii*, *David Copperfield*, *Idyls of the King*, Macaulay's *Essays*.

*Sophomore Class:* Welsh's English Literature, Johnson's English History. Bi-weekly exercises, as above, based on the following course of reading: *Lady of the Lake*, *Childe Harold*, *Ivanhoe*, *Froude's History of England*.

*Junior Class:* Hale's *Longer English Poems*, Peile's *Philology*, Morris's *Outlines of English Accidence*, *Hamlet*, Chaucer's *Prologue*, Morris and Skeat's *Specimens of Early English*. Following course of reading as basis for exercises: Bacon, Shakespeare, Spencer, *Extracts from Ruskin*.

*Senior Class:* Sweet's *Anglo-Saxon Primer*, Cook's *Siever's Anglo-Saxon Grammar*, *Beowulf*, Andreas' *Handy Anglo-Saxon Dictionary*, *Lectures on Comparative Philology*. Exercises, as before, on *Milton's Arcopagitica*, *Paradise Lost*, *Green's Making of England*, *Earle's History of Anglo-Saxon Literature*, Chaucer.

## FRENCH AND GERMAN.

Two years (five hours per week) are devoted to each of these languages. Conversation forms an essential element of the courses. The language taught will be used as the medium of communication in the class, and every effort will be made to enable the student to speak it fluently and correctly. The idea is to combine the "natural method" with the grammatical study necessary to a really useful knowledge of any language. French is put in the Freshman and Sophomore years, German in the Junior and Senior.

*Freshman Class:* Worman's First Book, Worman's Second Book, Worman's Grammaire Française, Scitsbury's Primer of French Literature, Etude Progressive de la Langue Française, Roman d'un Jeune Homme Pauvre, Voyage de Monsieur Perichon.

*Sophomore Class:* Eugene's Comparative Grammar, Worman's Grammaire, Harrison's Syntax, Petite Histoire du Peuple Français, Brachet's Historical Grammar, Le Cid Andromaque, L'Avare, La Henriade, Gase's Dictionary, Worman's Echo de Paris.

*Junior Class:* Worman's First German Book, Worman's Second German Book, Worman's Complete Grammar, Whitney's Reader, Conant's Primer of German Literature, Einer Muss Heirathen, Zriny.

*Senior Class:* Whitney's Grammar, Brandt's Grammar (for reference), Wallenstein, Emilia Galotti, Reisebilder, Schiller's Lyries, Egmont, Lectures on History of Germany.

In all these classes constant oral and written translations from English into the foreign language will be required.

## MODERN HISTORY.

This subject, as seen by text books above, will be taught in connection with the development of the literatures of the above three languages and in the classes studying the languages.

## PURE MATHEMATICS AND LOGIC.

PROF. MURFEE.

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### MATHEMATICS.

This subject should be taught both practically and logically, serving in scientific investigations and mental discipline. It is not enough to find "answers," but the deductions must be based on established principles. First, the pupil performs the work in imitation of the teacher or author; then comparing facts learned he reasons on the subject, consults the text and book of reference, makes the deduction, and applies the law to new cases. The power of original investigation and the faculty of invention are thus strengthened, and the student, by the inductive process of combining known principles and making new deductions, can anticipate the author in his demonstrations.

For admission into the Freshman Class, the applicant must pass satisfactory examination in Arithmetic and in Algebra to Quadratic Equations. It is desirable that he should have studied three books in Geometry, and that he should have been thoroughly drilled in Mental Arithmetic.

All students must supply themselves with drawing instruments; for much attention is paid to original investigations, in which at least the dividers and protractor are essential.

*Text-Books and Books of Reference* Algebra: Robinson's University, Wentworth's Complete, Wells' University. *Geometry*: Wentworth, Loomis, Welch and Chauvenet. *Trigonometry and Surveying*: Schuyler, Wells, and Wentworth. *Analytical Geometry*: Loomis and Todhunter. *Calculus*: Loomis and Church.

### LOGIC.

Logic is taught, both from text-books and by lectures. Students are required to show its application in various scientific investigations. Essays from different authors are analyzed and discussed, with a view to the appreciation of sound reasoning and the

detection of fallacies. Original discourses are required of students to impress the principles taught. In this way a subject, ordinarily regarded as dry, is made of the liveliest interest.

*Text Books and Books of Reference:* Jevon-Hill, McCosh, Mill and Hamilton.

## APPLIED MATHEMATICS—PHYSICS, ASTRONOMY, CIVIL AND MECHANICAL ENGINEERING.

PROF. WHITHAM.

### PHYSICS.

This course, which embraces recitations upon text-books, lectures, class illustrations, and experiments in the Physical Laboratory, is the basis of all scientific and technical instruction.

During the Freshman year a term is devoted to General Physics, a term to elementary experimentation in the Laboratory, and a term to Elementary Mechanics. In the Sophomore year a term is given to Electricity from an analytical standpoint, a term to the study of Heat and Thermodynamics, and a term to advanced Laboratory practice. The course in Laboratory practice consists in the manufacture of new apparatus, repairing apparatus, the deduction of laws, and the testing of principles taught. Students will elect the branch of physics they desire to pursue in the Laboratory, and will be required to keep a carefully written note book.

*Text and Reference Books:* Olmsted's College Philosophy, Peck's Elements of Mechanics, Thomson's Electricity and Magnetism, Larden's Heat, Ganot's Physics, Pickering's Physical Measurements.

### ASTRONOMY.

A term is devoted to the study of Descriptive Astronomy. This is made interesting and profitable by the use of maps, globe, astral lantern, equatorial telescope, sextant and solar compass.

Scientific and engineering students will devote one term to Analytical Astronomy.

*Text and Reference Books:* Olmstead's College Astronomy, Norton's Astronomy, Pickering's Physical Measurement, Coffin's Navigation and Nautical Astronomy, and the Nautical Almanac.

#### CIVIL ENGINEERING.

This course is based on the belief that a Civil Engineer should be a draughtsman and mechanic as well. That he may be a draughtsman, he is required to devote four years to topographical, mechanical, architectural, linear and isometrical perspective and free hand drawing. In order that he may be a mechanic, he is required to devote two years to shop work. The course is also based on the idea that he should be a *theoretical* and *practical* engineer. In order that he may combine these qualities, the course is arranged to give him the maximum amount of field work allowable, and textbooks from the best sources. He is required to make a practical application of all principles taught. It is intended that a graduate in this course shall be able to compete with those from the eastern Institutes of Technology.

In order to accomplish this end, engineering is not only the major, but the minor course pursued after the Freshman year.

The course consists of recitations, lectures, drawing, field and shop work, civil engineering, and a short study of mechanical, mining, sanitary and hydraulic engineering.

Reference may be had to the course leading to the degree of C. E., described in this catalogue.

*Text and Reference Books:* Gillespie's Land Surveying and Higher Surveying, Surle's Field Engineering, Haupt's Topography, Smith's Topographical Drawing, Rankin's Civil Engineering and Applied Mechanics, Wheeler's Civil Engineering, Mahan's Civil Engineering, Alexander and Thompson's Elementary Applied Mechanics, Perry's Steam Engine, Haupt's Engineering Specifications and Contracts, Church's Descriptive Geometry, etc., Cottrell's Applied Mechanics.

#### MECHANICAL ENGINEERING.

This course is presented here for the first time, and was made possible only by the erection of work-shops during the past year. It is based on the belief that a mechanical engineer should be a

mathematician, draughtsman, mechanic, and a thoroughly practical man, able to compete with graduates from Institutes of Technology. The course leading to the degree of Mechanical Engineer (explained elsewhere in this catalogue), compares favorably with any proposed by older institutions. It is expected that this new course will supply engineers who can take the lead in developing the great resources of the State of Arkansas.]

*Text and Reference Books:* Shelley's Work-Shop Appliances, Church's Descriptive Geometry, Woods and Stahl's Elements of Mechanism, Alexander and Thompson's Applied Mechanics, Rankine's Applied Mechanics, Perry's Steam Engine, Rankine's Steam Engine and Other Prime Movers, Rankine's Machinery and Mill Work, Shook's Steam Boiler's, Thurston's Friction and Lubrication, The Steam Engine by Marks, Cotterell's Applied Mechanics.

#### MINING ENGINEERING.

Students desiring to take this course can be provided for, as the first two years will be embraced in the civil and mechanical engineering course. It is proposed to add this course during the next session.

### CHEMISTRY, MINERALOGY, GEOLOGY AND BIOLOGY.

PROF. PURINTON.

#### CHEMISTRY.

This course embraces inorganic, organic, analytical, agricultural and industrial chemistry, including the Chemistry of Light and Photography.

Instruction will be given by means of text-books, lectures, class illustrations and laboratory practice. The elementary principles of chemistry and chemical philosophy will be thoroughly taught and the facts of chemistry will be impressed by copious experiments performed by the student. Blowpipe analysis, qualitative and quantitative analysis, assaying and metallurgy, will be taken up in proper order. After completing a suitable course of laboratory practice, the further practical study of chemistry by the student will be determined by the object he may have in view.

*Text and Reference Books:* Elliott and Storer, Appleton's Series, Clowe, Hareourt, Fresenius, Lupton, the Johnsons, Church, Ricketts, Phillips, Wagner, Wurtz, Miller, Crook & Rohrig, Watt, Liebig.

#### MINERALOGY.

The study of Mineralogy includes the study of Crystallography with the occurrence, properties, forms and uses of the principal minerals. Determinative Mineralogy forms the most important part of the course, and is studied practically with the aid of lens, bagnet, blowpipe and simple analysis. Especial attention is given to the determination of the minerals and the assaying of the ores of the State.

*Text and Reference Books:* Dana, Bush, Plattner.

#### GEOLOGY.

This includes Lithological, Historical and Dynamical Geology. Prominence will be given to facts having an economic bearing. Especial attention will be paid to the formation of soils and deposits of valuable minerals in Arkansas. Field excursions form part of the regular course.

*Text and Reference Books:* LeConte, Dana, Geike, Lyell.

#### BIOLOGY.

This includes Botany, Anatomy and Physiology, Zoology and Entomology. Under *Botany* will be studied the structure, analysis and classification of plants—their geographical distribution and importance; favorable and unfavorable condition for life and growth; enemies, food, etc. In connection with the study of Botany, each student is required to collect, preserve, correctly classify and label, and deposit in the museum an herbarium of Arkansas plants.

*Anatomy and Physiology* will embrace the study of human anatomy, physiology and hygiene, including such subjects as digestion and foods, poisons and antidotes, respiration and ventilation, exercise and clothing. Under *Zoology* will be studied the classification and distribution of the forms of life upon the globe. Comparative Anatomy and Physiology, as preparatory to the study of stock-breed-

ing, will receive especial attention. In connection with the study of Zoology, instruction in practical Taxidermy and Skeleton mounting is given.

*Entomology* will be studied with special reference to its economic relations with agriculture and horticulture. In the biographical sciences, instruction will be given by text-book and lectures, but all students will be required to perform simple dissections and work with the microscope; prepare, mount and preserve specimens properly classified and labeled. The University is well equipped with microscopes, specimens and models.

*Text and Reference Books:* Gray, Bessey, Chapman, Martin, Huxley, Dalton, Carpenter, Flint, Darwin, Packard, Harris, Draper.

During the past year the Chemical, Mineralogical and Biological Laboratories have been greatly developed by the addition of a gas supply, vacuum pumps, assay, combustion and blast furnaces, water sinks and taps, platinum and porcelain goods, choice chemical reagents, a cabinet of fine and rare minerals, comprising some valuable ores and native metals, an herbarium of more than 2500 plants, thirty-five stuffed and mounted birds, and one hundred preserved native bird skins.

A few specimens of Reptilia and Insectivora, and several fossils, minerals and native ores have been added. A full set of photographic instruments and appliances are in use in the Chemical Laboratory for illustration in the study of the chemical properties of light.

Special attention will be given during the coming year to Microscopic Photography and the preparation of lantern slides. Instruction in Practical Photography will be given privately, at the discretion of the Faculty, to those who may desire it.

## NORMAL DEPARTMENT.

PROFESSOR HOWELL.

The design of the Normal Department is to train teachers for the schools of the State. It will be the aim, in future, to make this one of the prominent features of the University, and so to co-ordinate its instruction to both the Preparatory and the Collegiate Departments as to make its benefits accrue to all grades of teachers, from the primary teacher to the college professor. The aims will be :

1. To lead pupils to think and investigate for themselves.
2. To train them in the best methods of imparting instruction without destroying their individuality.
3. To teach them how to organize, grade and discipline the various kinds of schools.
4. To give them a knowledge of school law, and especially of the duties of teachers as officers of the State.
5. To impart to them a valuable summary of the history of education.
6. To teach them the fundamental principles of Psychology and of the science of human conduct.

*Text and Reference Books:* Baldwin's and Kellogg's School Management, Parker's Talks on Teaching, Hewett's Pedagogy, The Practical Teacher, Volume VIII, Sweet's Methods, Thring's and Page's Theory and Practice of Teaching, Browning's History of Education, Tate's Philosophy of Education, DeGraft's School-Room Guide, Bain's Education as a Science, Wickersham's School Economy and Methods, Compayre's History of Pedagogy.

### POLITICAL SCIENCE.

Political Economy and Constitutional Law are embraced under this head.

The aim is to give a succinct statement of the undisputed principles of Political Economy, and to discuss conflicting views with all possible fairness.

The Constitution of the United States and of Arkansas, will be carefully studied, and an effort made to form a correct idea of the principles upon which our government was founded by a careful study of its history and institutions.

The work of this department will be distributed among the different Professors until it shall be feasible to create a distinct chair.

## HIGH SCHOOL AND PREPARATORY STUDIES.

Students are not admitted into the lowest Preparatory class until they are thoroughly familiar with the fundamental principles of Arithmetic, viz: Addition, Subtraction, Multiplication and Division, and also Common Fractions. In Reading, they must be able to understand and intelligently render specimens of the grade of the Fourth Reader; must have a knowledge of Primary English Grammar, Primary Geography, the rudiments of Penmanship, and the spelling of ordinary words of the grade of the Fourth Reader. These qualifications are the test of admission at the beginning of the session; those applying later will be admitted only on the grade of the class.

In giving instruction in Reading, the aim is, first to develop in the student a full, complete and definite idea of the meaning of the sentence; second, to obtain from him a natural, easy and graceful expression of the entire thought, as embraced in the sentence.

Spelling is required of students throughout the entire course, and an endeavor made to secure the accurate use of letters and other marks in the formation of words, and correct pronunciation.

English Grammar is taught by requiring the students to form sentences of their own, as well as to analyze and parse those of others.

In the Preparatory Classes, the student is chiefly confined to the simple constructions, the more systematic treatment of grammar and analysis being reserved for the High School grades. Lessons in Composition are given in all classes.

In Arithmetic, processes precede principles, and the object is to obtain, first, a full understanding of methods, then accuracy in work, and finally rapidity.

Much importance is attached to Mental Arithmetic as a means for developing the power of Analysis and for strengthening the mind. Both oral and written exercises will be required daily.

In Commercial Arithmetic, the effort is made to make the instruction as practical as possible, so as to prepare the student for a correct understanding of every-day business transactions.

In Geography, the effort is to teach what is practically useful. With this in view, attention is chiefly given to the natural features of the earth, its climatic conditions, the resources and products of the various countries, the great thoroughfares of commerce, and the localities of chief general interest. Map drawing is essential to this course.

Daily exercises in Penmanship are required.

In the first year of the High School course, United States History is substituted for Geography and Latin is begun by those who propose a Classical course.

Classical students are thoroughly drilled in the Latin Grammar and are carried through a Reader and two books of Caesar by the close of the second or Sub-Freshman Year. Greek is begun in the second year, which is devoted to a mastery of inflections, and elementary construction.

Students are exercised by frequent translations from English into Greek and Latin.

Algebra and Geometry are begun in the second year of the High School course.

In Algebra, students are thoroughly drilled in the elementary principles and required to master everything to equations of the second degree.

In Geometry, the elementary principles are taught both as a basis of instruction in the Industrial Art and in preparation for Collegiate work.

Free-hand Drawing forms a part of the regular curriculum and is begun in the lowest preparatory class. Drawing has a disciplinary, as well as a practical value, and also tends to refine the taste and polish the mind.

Elementary Natural Science is taught in those courses of the High School which do not embrace the classics. The experience of the past session in giving instruction in this line of study has been most satisfactory. The classes have been taught by the Professor of Chemistry and Biology, who has sought to give such an outline of scientific facts and principles as would prove valuable both to those students who propose to take a fuller course, and to the larger number who drop out of school before reaching the Collegiate Department.

*Text Books:* Barnes' New National and Swinton's Readers, Ray's Practical Arithmetic, Thompson's Mental Arithmetic, Barnes' Higher Arithmetic, Mitchell's New Intermediate Geography, Greene's Grammars and Analysis, Chittenden's Composition, Wentworth's Algebra, Wentworth's Geometry, Gildersleeve's Latin Grammar, Jones' First Lessons in Latin, Gildersleeve's Latin Reader, Goodwin's Greek Grammar, Whiton's Three Months' Preparation for reading Xenophon.

## MUSIC DEPARTMENT.

### PIANO FORTE.

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This course will require six years for completion. Should the pupil possess marked talent and unceasing energy, it may be finished in less time.

#### FIRST YEAR.

Studies of the first principles of music, five-finger exercises, movement, scales, and such studies as will prepare the pupil for light classic composition of the Old Masters.

#### SECOND YEAR.

Practical exercises of Duvernoy, Czerny and Bach; introduction of such new movements of Liszt and Chopin as will prepare the pupil for work exclusively classic.

#### THIRD AND FOURTH YEARS.

Studies of Clementi, Heller and Bach, with especial attention to touch; introduction of more advanced movements of Liszt, that the pupil may be enabled to contend successfully with the moderately difficult classic composition.

#### FIFTH AND SIXTH YEARS.

Advanced studies of Beethoven, Clementi and Cramer, and difficult compositions of Schumann, Liszt, Chopin, Hayden, etc.

### VOCAL CULTURE.

#### FIRST YEAR.

Will be devoted exclusively to forming of register and to producing evenness and natural tones of voice in register. Bassini's Art of Vocalization will be the theory used.

## SECOND AND THIRD YEARS.

Pronunciation, timbre, science and art of breathing (diaphragm and clavicular), and art of phrasing; studies of Conconi and Bassini, with light selections from the Operas.

## FOURTH AND FIFTH YEARS.

Colature, Messa di Voco, Portamento, and other vocal embellishments; studies of Garcia, Conconi, Rossini, etc., with the more difficult selections from the operas and classic composition of Mendelssohn and others.

## SIXTH YEAR.

Will embrace the first course in Opera Dramatic.

## VIOLIN.

## FIRST YEAR.

Practice of bowing, finger exercises, Manzas' Instructor.

## SECOND YEAR.

Etudes of Dancs and arrangements from the Operas.

## THIRD YEAR.

Kaiser's Etudes, Sonatas by Hayden, Schubert, etc.

## FOURTH YEAR.

Krautzer's Etudes and compositions by De Beriot, Kreutzer, etc.

## TERMS.

## ONE LESSON PER WEEK.

Piano-forte.....	\$ 9 00	per term.
Voice Culture.....	10 00	"
Violin or Guitar.....	9 00	"
Thorough Bass and Harmony .....	8 00	"
Theory and Composition .....	11 00	"
Use of Piano one hour every day.....	3 50	"

For two lessons per week the rates are double the above, except for use of piano.

One-half of tuition must be paid in advance, balance at end of term.

No deductions will be made on account of absence from recitations except in cases of prolonged sickness; then the loss will be shared equally between student and teacher.

By a resolution of the Board of Trustees, at its recent meeting, the Students of the Music and Art Departments will hereafter be required to matriculate and pay the usual fees, and to be subject to the regulations applicable to other students.

## INDUSTRIAL ART STUDIES.

These studies embrace drawing, designing, modeling, working in wood, metal, clay and other substances. They teach the art of producing an infinite variety of objects, both useful and ornamental ; in short, *whatever lies at the foundation of the industries dependent alone upon human invention, skill and handiwork.*

It is surprising that it has been only in the last few years that the importance of training the eye, hand and judgment of youth in apprehending and working material things for pleasure and profit, has begun to be appreciated ; and that our systems of education are being remodeled to include the aims of learning "to do" something, as well as "to know" something.

How this double aim can best be accomplished, is the great educational problem of the day. The good results that have already been realized from the efforts made in Europe and in our own country, to solve this problem, are highly encouraging ; and it is confidently believed that the "New Education," in which manual training shall go *pari passu* with the intellectual and the moral, in all grades of schools from the kindergarten to the university, will be the education of the future.

Appreciating the importance of inaugurating a system of Industrial Art training in the Arkansas Industrial University—a training which was one of the leading objects set forth in the Act of Congress of 1862, endowing the Land Grant Colleges, the Board of Trustees, in January 1885, asked the legislature to appropriate \$10,000 for this purpose, but without success.

Notwithstanding the failure of the legislature to make the special appropriation asked for, the Board determined to make a beginning towards carrying out the object proposed, and accordingly set apart a portion of the regular annuity to provide instruction in manual exercises suited to both sexes. More than \$3,000 was expended in providing a shop and in equipping it with engine, boiler, shafting, gearing and a limited number of machines and tools

for working in wood and iron ; and nearly \$2,000 more, in securing an instructor in shop-work and one in drawing and handiwork for girls, and in supplying needful material and service.

As a necessary basis for all industrial art work, lessons in Free-hand Drawing were given throughout the session, to all the students, except the seniors. The efforts in drawing were creditable to a majority of the students, while some of them produced for the inspection of the Boards of Trustees and Visitors, original designs of great merit. The girls were taught needle work of various kinds with satisfactory results. The shop-work of the young men, though begun as late as March, was sufficient to give the limited number that could be taught, some insight into the initial processes in wood and iron work and in the use of machines and tools ; while it demonstrated the usefulness of the instruction and the feasibility of training the mind and muscles together for useful ends without detriment to the intellectual training to be attained by the usual methods and courses. At its recent meeting, the Board of Trustees appropriated \$1,000 for enlarging the shop so as to provide for the instruction of a larger number of students at one time, and \$350 for affording instruction for the girls in wood-carving and brass-work.

It is hoped that the encouraging results which have attended the efforts, made upon a limited scale, to build up an Industrial Art Department in the University, will lead our next legislature to appropriate an adequate sum to make this department compare favorably with those of other institutions which make it their object to train the whole man—mind and body for the highest usefulness.

## AGRICULTURAL STUDIES.

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There has scarcely been a year since the organization of the University when important "branches of learning," "related to agriculture," have not been taught; but it is freely admitted that but little has yet been done towards applying the principles of science to the solution of the practical problem involved in the successful cultivation of the soil. This has been chiefly due to the fact that from the close of the civil war up to a recent period, the finances of Arkansas were in too unsatisfactory a condition to justify the expenditure of the large sums necessary to provide adequately for giving varied practical instruction in this department. To have attempted this, would have required an outlay of money in arable land, buildings, stock, machinery and appliances for instruction, equal to the entire property investment of the University; while a much larger annuity than the Institution has ever received, would have been necessary to have maintained the establishment and to have provided the student labor required to make it a blessing to the masses. But could such an effort have been successfully made fourteen years ago, it would have necessitated the abandonment of all other department's of the State's educational work by which thought and culture are promoted and men fitted for other employments—a result which few would admit could be compensated for by the highest success attainable by scientific agriculture. But the Arkansas of to-day is quite a different State from the Arkansas of ten years ago. Its population has doubled and its wealth trebled in that short period; and the undisputed debt of the State is not so great that it need be a source of anxious concern. Two years ago the Board of Trustees of the University thought that the time had come when they might reasonably ask the Legislature for a liberal appropriation for the Agricultural Department; but they failed to secure the \$15,000 which was deemed necessary to enable them to make a favorable beginning towards supplying its needs. But notwithstanding this, the scheme has not been abandoned. Confident that the next Legislature cannot fail to make the needed appropriation, they have taken all the initial steps in their power to prepare

for the work to be accomplished. They have spent a considerable sum in fitting up a new laboratory and equipping it for the analysis of soils and fertilizers as well as for general instruction in chemistry. They have bought the Harvey collection of plants, fossils and minerals, representing the flora and mineral resources of the State, and have otherwise increased the facilities for instruction in the Biological department. They have authorized the Professor of Chemistry and Biology to put the farm in better condition, to plant out an orchard of trees and small fruits, to begin experimentation on a small scale in planting small plots in grains and grasses, and in cultivating the same by improved methods and with the aid of fertilizers of known chemical value. And though what has been done, and may yet be done during the growing season is but a mere beginning, they have determined to use their utmost endeavors to have the Agricultural Department developed upon a scale commensurate with the wants of the State. It remains to be seen what response will be made by the Legislature to a more importunate call for the requisite means to go forward. Students who expect to adopt agriculture as a pursuit, are urged to enter upon the agricultural course marked out in the catalogue, relying upon the good sense and liberality of the people to supply all the practical as well as theoretical instruction they may need as they advance from class to class.

## MILITARY DEPARTMENT.

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The military officers of the University consist of the President, Commandant and such assistant professors as may be assigned to duty in this department by the President. The President is head of the department, and issues from time to time such general and special orders as he deems necessary to the efficiency of the military exercises and to the enforcement of order in the buildings and on the grounds.

The Commandant is charged with the details of the Military Department, and is responsible to the President for both drill and discipline.

This department is designed to impart to each male student not physically incapacitated to bear arms, theoretical and practical instruction in the school of the soldier, of the company, and of the battalion, and thereby furnish the State with a body of young men qualified to organize its militia.

Besides, the military drill is a superior health-giving exercise, and promotes physical development, manly carriage, neatness, precision, order, and a habit of obedience which is a valuable aid in the enforcement of discipline.

The entire body of male students is divided into companies, which are officered by cadets, selected for proficiency in drill, good deportment and scholarship. The cadet officers are regarded as assistants in the enforcement of discipline, and their orders, while on duty, are considered as duly authorized, and must be obeyed accordingly.

Cadet officers are expected and required to be examples in military deportment and general good conduct.

A neat uniform, with brass buttons and suitable trimmings, is required to be worn by all males.

Parents and guardians will save money by postponing the purchase of winter suits for their children and wards until they arrive at Fayetteville.

## CADET OFFICERS.

## STAFF.

T. H. HUMPHREYS,                      W. E. DICKSON,  
*1st Lieut. and Adjutant.*              *1st Lieut. and Quartermaster.*  
 G. A. WARREN, *Sergeant Major.*

## "A" COMPANY.

B. J. TILLAR, *Captain.*              H. D. WILKINSON, *1st Lieutenant.*  
    F. A. HIPPOLITE and A. B. STONE, *2d Lieutenants.*  
 H. J. HALL, *1st Sergeant.*              W. W. POWELL, *2d Sergeant.*  
 D. C. B. AIKIN, *1st Corporal.*              J. C. MCNEELY, *2d Corporal.*

## "B" COMPANY.

J. H. BATES, *Captain,*              A. V. GIBSON, *1st Lieutenant.*  
    B. C. DUFFIE, *2d Lieutenant.*  
 J. H. HOBBS, *1st Sergeant.*              N. F. DRAKE, *2d Sergeant.*  
 G. V. SKELTON, *1st Corporal.*              S. A. DOWNES, *2d Corporal.*

## COLOR GUARD.

LEE TREADWELL, *Color Sergeant.*

## CORPORALS.

P. BOWLES, W. T. GUNTER, M. DANAHER, A. G. TAFT, W. E.  
 DUNAWAY, J. T. VALENTINE, S. F. DOWELL.

## BAND.

C. A. DAVIES, *First Sergeant and Drum Major.*  
 E. L. PARKER, *Leader.*

## MEMBERS.

F. O. ROBERTSON,	T. I. THORNTON,	C. E. FAULKNER,
M. DIBRELL,	F. W. REED,	J. L. REED,
W. L. REED,	W. J. SAVAGE,	J. C. VAUGHAN,
M. HULSE,	M. DEAN,	A. W. SHREVE,
J. B. BRICKNELL,	J. F. HARRIS.	

At the competitive drills during Commencement Week, "B" Company won the honor of carrying the Battalion Colors during the session of 1886-87, and the Cadet Officers of the Battalion presented a gold medal to Cadet J. H. Gaines for being the best drilled private.

POST GRADUATE COURSES.

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## Requirements for the Degree of Master of Arts (M. A.)

Applicants for this degree must have previously taken the Degree of B. A. and in addition must take, at the University, for a full scholastic year, four daily studies appointed by the faculty.

## Requirements for the Degree of Master of Science (M. S.)

Applicants for this degree must have previously taken the Degree of B. S., and in addition must take, at the University, for a full scholastic year, four daily studies appointed by the faculty.

## Requirements for the Degree of Philosophy (Ph. D.)

1. This degree will be conferred for distinguished attainments, as shown by examination and thesis, in any one of the five following languages: Latin, Greek, German, French and English, together with subordinate attainments in two others of the five; or, for distinguished attainments in any one principal and two subordinate of the following sciences: Chemistry, Physics, Geology, Biology; or, for distinguished attainments in Philosophy or in Pure and Applied Mathematics.

2. This degree shall be open to persons who have received the Degree of B. A. or B. S., at this or other reputable institutions; or C. E., or M. E. from this institution; or to any person who can, by a thorough examination, show attainments equal to those indicated by these degrees.

3. No applicant shall be admitted to examination for this degree before two full scholastic years from the date of his admission to the course, shall have passed. The last of these two years must be passed by the candidate in resident study at the University.

4. Applicants for this degree must state in their application what particular line of study they wish to pursue.

5. A thesis, showing original research shall be required of every applicant, the subject of which shall be announced and passed

upon by a committee of the faculty at least one year before the time set for the final examination, and the thesis itself must be presented to the committee two months before admission to the examination. Twenty-five copies of the approved and printed thesis shall be placed in the University Library.

6. All applicants for this degree, who have previously taken the B. S., M. S., C. E., or M. E. Degree, must by the end of the first year of the course, be sufficiently conversant with French and German to read with ease any scientific work written in these languages.

## DISTINCTIONS

CONFERRED AT COMMENCEMENT, JUNE 10, 1886.

Upon the recommendation of the Faculty, the following degrees were conferred by the Board of Trustees:

*Bachelor of Arts*—Misses Mai Middleton, Mary Leverett, Sara Mulholland, and Messrs. B. J. Tillar and James H. Bates, members of the Senior Class.

*Doctor of Philosophy*—J. C. White, Professor of Geology and Mineralogy, University of West Virginia, and Assistant Geologist U. S. Geological Survey.

The following students received diplomas in the Business Course:

Samuel F. Dowell, Benj. J. Mosley, Albert S. Brown, Wm. H. Johnson, John H. Gaines, Abner E. Northrop, John H. Sloan, Abner Webb and Robert D. Harris.

A gold medal, offered by B. H. Stone, of Fayetteville, for the best essay by any student on a subject selected by the faculty, was awarded by a committee of the Honorable Board of Visitors to F. P. Turner, of Franklin county.

A gold medal was awarded to Miss Ida Pace, of Fayetteville, by the Mathetian Society for the best essay submitted by the competitors for that honor.

## GENERAL INFORMATION.

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The aims of the University are set forth in the following sections of the Acts of Congress and of the General Assembly of Arkansas, under which it was established :

The Act of Congress of 1862, appropriating lands to establish colleges in the States, provides that all moneys derived from their sale "shall be inviolably appropriated by each State which may take and claim the benefit of this act, to the endowment, support and maintenance of at least one college, where the leading objects shall be, *without excluding other scientific and classical studies*, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in such manner as the Legislatures of the States may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life."

(U. S. Statutes, Vol. 61, Stat. 7, Sec. 4.)

Our own General Assembly, in accepting the original grant and in creating the University, provides that the fund realized therefrom "shall be forever devoted and applied to the endowment and maintenance, under such laws or articles of incorporation as may be by the General Assembly hereafter provided, of an institution of learning to be styled 'The Arkansas Industrial University,' wherein shall be taught, *in addition to the usual course of study prescribed in universities*, the science and practice of Agriculture, the Mechanic Arts, Engineering and Military Science and Tactics." (Act of July 23, 1868.)

It was clearly the purpose of Congress in the act above quoted to provide for the maintenance of colleges whose leading objects should be "to teach such branches of learning as are related to Agriculture and the Mechanic Arts;" but the act as plainly provides that the course of instruction shall include "Military Tactics," and shall not exclude "other scientific and classical studies." It, therefore, admits of the organization of schools upon a broad University basis, provided their leading objects shall conform to the letter of the law

as already indicated; for, when thus organized, will they most surely "promote the liberal and practical education of the industrial classes in the several *pursuits and professions of life*." How they should be made to subserve the ends designed was wisely left to "the Legislatures of the States to prescribe." In accepting our State's quota of the land scrip, and in chartering the Arkansas Industrial University, the General Assembly evidently designed that the "usual course of studies prescribed in Universities" should be taught, though in addition thereto it provided for the other features mentioned in the closing sentence of the Act.

It is the purpose of the Board of Trustees to endeavor to develop the institution in accordance with the spirit of the above acts. The means at their command have not been adequate to the development of all the departments of instruction contemplated therein, or to the purchase of the fullest appliances for illustration and practice for those already embraced in its curricula; but they believe that quite an advance has been made in the past two years in perfecting the organization and in promoting the efficiency of the institution, and that with the aid of liberal appropriations by the Legislature, it will soon bear favorable comparison with similar institutions in the older and wealthier States, in the advantages it shall offer for the training suited to the varied wants of its youth.

#### LOCATION.

The Arkansas Industrial University is located within the corporate limits of the town of Fayetteville, Washington county. The location is thought to be unsurpassed by any other locality in the State in salubrity of climate, beauty of surrounding scenery, fertility of soil, variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

#### PROPERTY.

The property of the University consists of the proceeds of the munificent grant of land by Congress, the bonds of Washington county, and of the town of Fayetteville, the appropriations made by the State, and the University farm and lands—amounting in all to \$300,000 in value.

### ACCESSIBILITY.

Students may reach Fayetteville from both the north and the south by daily trains on the Arkansas branch of the St. Louis & San Francisco Railroad, which now connects on the south with the Little Rock & Fort Smith Railroad at Van Buren.

Students, on arriving at Fayetteville, must report at once to the President of the University. No student will be allowed to recite in any class until properly enrolled, but will be held responsible for his conduct from the time of his arrival in Fayetteville.

### CALENDAR FOR THE SCHOLASTIC YEAR 1886-87.

The session will commence on Wednesday, September 1, 1886, and close June 1, 1887.

### WITHDRAWAL OF STUDENTS.

Parents, or guardians, who wish to withdraw their children or wards from the University, should write to the President of the Faculty, stating their wishes. Unworthy students sometimes deceive the Faculty by pretending that their parents desire them to return home. No honorable discharge will be given to a student under age, who is unable to produce the written application of his parent or guardian for his withdrawal, or if his number of demerits shall exceed the proportion of two hundred allowed during the session. Nor will an honorable discharge be given to a student, under censure of any kind, whether for neglect of duty, or other cause, even though he may have the consent of his parent or guardian for his withdrawal from the University.

### RESTLESSNESS.

The greatest obstacle to-day, in the way of successful educational work, is the restlessness and lack of persevering pluck in American youth. We find that the vast majority of our students do not come to the University with any thought of remaining until graduation, and many think they have accomplished wonders by remaining a single term of three months. Those who exhibit such a deplorable lack of pertinacity in youth, can scarcely be expected to

succeed in after life. They will succumb under the first serious difficulty. Parents who yield to the importunities of their children to quit school, because of some discouragement, do thereby foster in them a weakness which must be fatal to all vigorous manhood and healthful development. We hope that the students who come up in September, will come with the determination to let no slight impediment turn them back from the path that leads to knowledge, honor and usefulness.

#### BOARDING HOUSES.

Students are required to board at such places as are approved by the Faculty, and are under the supervision of the President of the University. No change of boarding house will be allowed, except at the end of each term, unless under extraordinary circumstances, nor without the permission of the President.

If at any time the influence of a boarding house be found pernicious, boarders will be removed at the instance of the Faculty.

#### EXPENSES.

Board, including fuel, lights and washing, may be had with families living in or around Fayetteville at from \$12 to \$16 per calendar month. Day boarding is sometimes obtained at from \$8 to \$10 per month.

In order to lighten the expenses of students of limited means, the Board of Trustees, one year ago, authorized the Faculty to open a boarding house on the College grounds, where good substantial fare might be furnished to from forty to fifty boys at cost. To effect this purpose, the old Refectory was thoroughly repaired, and the dining room and kitchen furnished at the expense of the University. At the request of the faculty, one of the professors took charge of the establishment at the opening of the session, and under his careful supervision it was so conducted that good, substantial table board was furnished the students for less than \$8 per month. The house was full during the entire session, but it is to be regretted that it will not comfortably accommodate more than fifty students. The arrangement will be continued during the ensuing session. Stu-

dents who board on the grounds are expected to provide their own furniture, fuel and lights. Before entering the boarding house they are required to promise to conform to such regulations as to study, the preservation of order, visiting, leaving their quarters and the care of their rooms as may be prescribed by proper authority.

Our next Legislature will be asked to make an appropriation to build substantial brick dormitories and mess halls, with all modern conveniences, and with ample accommodations for the students of both sexes. It is hoped that the requisite means will be supplied to meet this want.

Hereafter, all students, whether in the Collegiate or Preparatory classes, who have not Normal or Beneficiary appointments, will be required to pay a tuition of \$30 per session of forty weeks—one-half at the beginning and the balance in the middle of the session.

All Normal and Beneficiary students, and all *new* students, on entering, are required to pay a matriculation fee of \$5.

No student will be enrolled till all fees are paid, and no tuition fees will be refunded, except in cases of sickness causing continuous absence of not less than six weeks.

Hereafter, the usual fee of \$5 will be charged those who receive regular diplomas, and \$2.50 to those who receive business diplomas.

#### POCKET MONEY.

The Faculty would advise parents to allow their sons but little pocket money. It has been well said in regard to students, that "a pocket full of money and a head full of sense are seldom found together." Money can be sent monthly for the payment of boarding and other necessary expenses. Postal orders can always be cashed at the Post Office at Fayetteville. The President of the Faculty cannot personally take charge of the financial affairs of students.

#### LITERARY SOCIETIES.

In the Collegiate department there are two Literary Societies, the "Mathetian" and "Philomathean." Students who are members

of the Sub-Freshman Class, are also eligible to membership in these.

Literary Societies may be organized in the High School and Preparatory Departments under proper restrictions. At present there is but one in operation, the Garland Society, organized during the past session.

#### LIBRARY AND READING ROOM.

The University Library, containing nearly 3000 volumes, comprises many valuable works, and additions are constantly being made. Nearly all the newspapers of the State of Arkansas, and several from other States have been generously furnished to the Library, either by the publishers or other friends of the University. The best magazines of America and some from England, France, and Germany are also purchased. All these are kept on file in the Library, and students have access to them, as well as to the books, at certain hours each day. No Library fee is charged, but a deposit of \$2 is required to insure proper care of the books taken from the Library.

#### APPARATUS AND MUSEUM.

The University is supplied with no inconsiderable amount of apparatus for illustrating the different scientific departments and for the prosecution of original work.

Valuable additions have been made in the last year to the Chemical and Physical Departments. Appropriations are made by the Board of Trustees, annually, for the purchase of needed supplies.

#### CABINET AND MUSEUM.

The cabinet of minerals consists chiefly of a collection of State minerals, contributed by various parties of the State, and by the professors; but it has been recently enlarged by purchase and embraces, besides, specimens of value from other States.

It is hoped that the day is not far distant when, by exchange and purchase the Institution will secure an ample supply of speci-

mens for illustration of the minerals and fossils of our own and other countries.

There has been constructed an herbarium case large enough to hold the indigenous plants of North America and such exotics as are of economic value. It will be the work of years to complete a collection of the plants of North America, but the work is progressing. A valuable addition was made last summer by the purchase of Prof. Harvey's collection of the plants of Arkansas.

There are about 500 species of animal specimens, to illustrate the various departments of zoology.

Collections in all the departments are slowly accumulating.

#### APPOINTMENT OF BENEFICIARIES.

All appointments should be completed, if possible, before the opening of the autumn term. The County Judges, who make the appointments, should prepare duplicate notifications of appointments, one of which should be forwarded to the President of the University, and one to the Secretary of the Board of Trustees; and in case the appointee fails to appear at the University within twenty days after an appointment (except in case of sickness), he or she will be regarded as having declined the appointment, in which case it will be the duty of the President of the Faculty to notify the person making the appointment of such failure, and he, in turn, should make another appointment as soon thereafter as possible; such other appointee being required to appear at the University as soon as possible after appointment. The President of the Faculty shall continue to notify appointing officers until their respective number of appointees make their appearance at the University.

All beneficiary and normal students should be present at the opening of the autumn term; and unnecessary delay, either of old students returning, or new ones reporting, will lead to the forfeiture of their appointments.

#### QUALIFICATIONS.

The attention of County Judges is called to the fact that *neither Normal nor Beneficiary Students will be admitted, unless they have the following qualifications:*

Students are not admitted until they have become familiar with the fundamental principles of arithmetic, viz: addition, subtraction, multiplication and division, and also of common and decimal fractions. In reading, they must be able to understand and intelligently render specimens of the grade of the Fourth Reader, must have a knowledge of primary English grammar, primary geography, the rudiments of penmanship, and the spelling of ordinary words of the grade of the Fourth Reader. These qualifications are the test of admission at the beginning of the session; those applying later will be admitted only on the grade of the class.

The sole object of the Normal Department being the training of teachers for the Public Schools of the State, the attention of County Judges is respectfully called to the following considerations:

*Only such persons should be appointed to this Department as really intend to teach, and, if possible, those who have had some experience in teaching.*

*All who enter this department will be required to take the course of training prescribed, to fit them for teaching.*

#### APPOINTMENT.

As much trouble and annoyance is caused by students who have been appointed as Beneficiaries or Normals coming without any evidence of appointment, the following are adopted as the proper forms of notice to be given by the Judge of County Court to the President of the University and the Secretary of the Board of Trustees, upon the appointment of Beneficiary and Normal Students by the County Court, or the Judge thereof, in accordance with the sixth section of an Act approved March 6, 1875:

## [Form 1.—Appointment.]

No.....

[To be given to the Student.]

*To whom it may concern :*

I hereby appoint .....of.....  
 County, State of Arkansas, as a Beneficiary (or Normal, as the case may  
 be), to the Arkansas Industrial University.

Given under my hand, this.....of.....188.....

Send a notice like the following to the President of the  
 University, and one to the Secretary of the Board of Trustees at  
 Fayetteville.

## [Form 2.—Notice to President of the University.]

.....Arkansas. }  
 ..... }

*To the ..... University:*

I hereby notify you that I have this day appointed.....  
 .....of.....County, State of Arkansas, a  
 Beneficiary or Normal, as the case may be, to the Arkansas Industrial  
 University.

Given under my hand, this.....day of.....  
 188.....

## BENEFICIARY AND NORMAL APPOINTMENTS.

It is provided in Section 18, of the Act of the General Assem-  
 bly establishing the University, that the Board of Trustees shall  
 have power to “prescribe the grade and number of scholarships,  
 and prescribe the rules by which pupils who are to be admitted  
 free, shall be elected equally from the various parts of the State.”  
 They have, therefore, made provision for 600 Beneficiaries, who  
 will be entitled to four years free tuition, and 400 Normal students,  
 who are also entitled to four years free tuition. These are appor-  
 tioned among the several counties according to their respective  
 populations by the United States census of 1880, which appor-  
 tionment is as follows:—[See Apportionment Table on succeeding  
 page.]

COUNTIES.	Beneficiaries.		COUNTIES.	Beneficiaries.	
	Beneficiaries.	Normals.		Beneficiaries.	Normals.
Arkansas .....	6	4	Lee.....	10	6
Ashley .....	8	5	Lincoln.....	7	5
Baxter.....	4	3	Little River.....	4	2
Benton.....	15	9	Logan.....	11	8
Boone.....	9	6	Lonoke.....	9	6
Bradley.....	5	3	Madison.....	9	6
Calhoun.....	4	3	Marion.....	6	4
Carroll.....	10	6	Miller.....	7	5
Chicot.....	7	5	Mississippi.....	5	4
Clay.....	5	8	Monroe.....	7	5
Clark.....	12	3	Montgomery.....	4	3
Cleburne.....	5	3	Nevada.....	10	7
Cleveland.....	6	4	Newton.....	4	2
Columbia.....	11	8	Ouachita.....	9	6
Conway.....	10	6	Perry.....	2	1
Craighead.....	5	3	Phillips.....	16	10
Crawford.....	11	8	Pike.....	5	3
Crittenden.....	7	4	Poinsett.....	2	1
Cross.....	4	2	Polk.....	4	3
Dallas.....	5	4	Pope.....	11	8
Desha.....	7	4	Prairie.....	6	4
Drew.....	9	6	Pulaski.....	25	18
Faulkner.....	11	6	Randolph.....	9	6
Franklin.....	10	8	Saline.....	7	5
Fulton.....	5	3	Scott.....	7	4
Garland.....	7	4	Searcy.....	5	4
Grant.....	5	3	Sebastian.....	15	12
Greene.....	5	4	Sevier.....	5	3
Hempstead.....	14	10	Sharp.....	7	5
Hot Spring.....	6	4	Stone.....	4	4
Howard.....	7	5	St. Francis.....	6	4
Independence.....	13	8	Union.....	10	6
Izard.....	8	6	Van Buren.....	7	4
Jackson.....	9	6	Washington.....	18	12
Jefferson.....	17	12	White.....	18	8
Johnson.....	9	6	Woodruff.....	7	5
Lafayette.....	4	2	Yell.....	11	7
Lawrence.....	6	4			

There is also one "Honorary Scholarship" to each county, to be selected for superior merit and proficiency from the Public Schools of each county, according to Section 2, of Act July 23, 1868.

#### SALE OF ARDENT SPIRITS NEAR THE ARKANSAS INDUSTRIAL UNIVERSITY.

By an Act of the General Assembly of the State of Arkansas, approved March 6, 1875, it is unlawful for any person to sell or give any vinous or ardent spirits within three miles of the Arkansas Industrial University, unless it be prescribed by a regular practicing physician for medical purposes.

## WINTER VACATION.

By resolution of the Board of Trustees, the next Winter Vacation will extend from Thursday evening, December 23d, to Monday, December 27.

Application for catalogue or blanks for Beneficiary Appointments should be addressed to Col. J. L. Cravens, Regent and Secretary, Fayetteville, Ark.

## BRANCH NORMAL SCHOOL AT PINE BLUFF.

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This Branch of the Normal Department of the Arkansas Industrial University was established by the General Assembly for the purpose of securing an adequate supply and properly trained teachers for the Public Colored Schools of the State. Its terms, course of study, sessions, etc., correspond with those of the Normal Department at Fayetteville, and each County Judge is entitled to appoint as many colored beneficiaries to the institution at Pine Bluff as his county is allowed, under the apportionment to send white ones to Fayetteville; consequently the two classes of appointments do not interfere with each other. The expenses of a student at Pine Bluff, for board and washing need not exceed \$12 per month, and a number of those who have heretofore attended have managed to reduce their expenses very materially by labor.

For further information address the Principal,

PROF. J. C. CORBIN,

Pine Bluff, Ark

